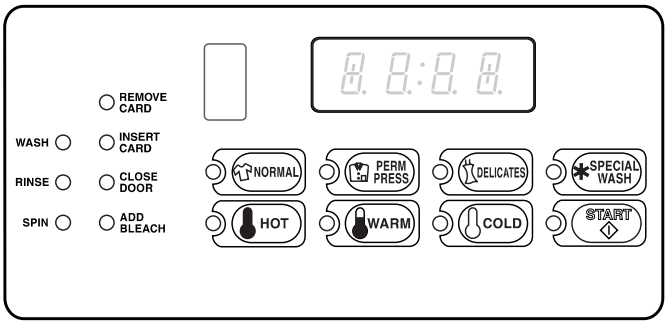
NetMaster

Washer-Extractors

Cabinet Hardmount Basic Programming Guide

Refer to Page 7 for Model Numbers

Programming



C872I

Keep These Instructions for Future Reference.
(If this machine changes ownership, this manual must accompany machine.)

Alliance Laundry Systems

www.comlaundry.com

Part No. F232151R4
September 2004

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

NOTE: The WARNING and IMPORTANT instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and carefulness are factors which cannot be built into these washer-extractors. These factors MUST BE supplied by the person(s) installing, maintaining or operating the washer-extractor.

Always contact the distributor, service agent or the manufacturer about any problems or conditions you do not understand.

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Notes

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Introduction

Model Identification

Information in this manual is applicable to these models:

HC18NC2	HC60NX2	NC40NX2	SC30NR2
HC18NR2	HC80NCV	NC50NC2	SC30NX2
HC18NX2	HC80NRV	NC50NP2	SC35NC2
HC25NC2	HC80NXV	NC50NR2	SC35NR2
HC25NR2	NC18NC2	NC50NX2	SC35NX2
HC25NX2	NC18NP2	NC80NCV	SC40NC2
HC27NC2	NC18NR2	NC80NPV	SC40NR2
HC27NR2	NC18NX2	NC80NRV	SC40NX2
HC27NX2	NC25NC2	NC80NXV	SC50NC2
HC30NC2	NC25NP2	SC18NC2	SC50NR2
HC35NC2	NC25NR2	SC18NR2	SC50NX2
HC35NR2	NC25NX2	SC18NX2	SC60NC2
HC35NX2	NC27NC2	SC20NC2	SC60NCF
HC40NC2	NC27NP2	SC20NR2	SC60NR2
HC40NR2	NC27NR2	SC20NX2	SC60NRF
HC40NX2	NC27NX2	SC25NC2	SC60NX2
HC50NC2	NC35NC2	SC25NR2	SC80NCV
HC50NR2	NC35NP2	SC25NX2	SC80NRV
HC50NX2	NC35NR2	SC27NC2	SC80NXV
HC60NC2	NC35NX2	SC27NR2	
HC60NCF	NC40NC2	SC27NX2	
HC60NR2	NC40NR2	SC30NC2	

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Preliminary Information

About the Control

NetMaster on the washer-extractor is an advanced, programmable computer that lets the owner control most machine features by pressing a sequence of SELECT CYCLE and SELECT WASH TEMP pads. Refer to *Figure 1*.

NetMaster allows the owner to program custom cycles, set vend prices, retrieve audit information, program and run diagnostic cycles, and program special vend features. Washer-extractors shipped from the factory have a default cycle and wash temperature setting of PERM PRESS, WARM built in. However, the owner can change the default cycle, or any cycle, as needs permit.

IMPORTANT: In the event of a power failure, NetMaster will not have to be reprogrammed. It is designed with a memory system that will remember how it was programmed (for a minimum of six years) until the electrical power is restored.

IMPORTANT: It is extremely important that the washer-extractor has a positive ground and that all mechanical and electrical connections to NetMaster are made before applying power to or operating the washer-extractor.

Glossary of Terms

The following are a few terms and abbreviations to learn. These are referred to throughout the instructions.

VFD - Vacuum Fluorescent Display.
This term refers to the window area of the control that displays words and values.

LED - Light Emitting Diode.
This term refers to the lights on the keypads and status words of the control.

Power Failure Recovery

If a cycle is in progress and the power fails, cycle status is saved in memory (for a minimum of six years) without power being applied.

If power resumes within one minute and 30 seconds, the previously active cycle will continue without having to press START.

If the control was in a fill cycle step and if the pre-programmed pressure switch is not satisfied, the control will start the Fill/Tumble step from the beginning.

If the control was in an intermediate extract step, the rest of the extract step is lost and the control will resume in the next cycle step. However, if in the intermediate extract step prior to the final extract or in the final extract, the control will resume the cycle from the beginning of the previous Drain/Tumble step.

The owner may program a special feature called Power Fail Reset which sets a maximum power failure duration. To program this feature, refer to ***Programming NetMaster*** in the Enhanced Programming Guide, available at extra cost.

If power resumes anytime after one minute and 30 seconds and less than or equal to the time programmed by the owner for the Power Fail Reset, or if the Power Fail Reset feature is disabled, the control will enter into the Start Mode at the beginning of the cycle step where the power failed.

If power resumes anytime after the time programmed by the owner, the control will revert to the Ready Mode.

For more information, refer to ***Power Fail Recovery***.

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Communications

NetMaster may be programmed manually, by Micro-Wand IIIE, by the Card Reader or by the Network.

Infra-red Communications (Optional)

The Micro-Wand allows the owner to program and retrieve information from NetMaster without touching the keypad. The Micro-Wand greatly expands the programming options available to the owner. However, the Micro-Wand is not required to program and operate the washer-extractor. The operation of the Micro-Wand and the advanced features available are covered separately in the Micro-Wand IIIE instruction manual.

Smart Card Reader Communications

The control will accept communication with a Card Reader in order to perform vending transactions when a card is inserted to pay for cycles. The card reader can also allow the owner to program and collect audit information.

For detailed information on the Smart Card Reader Communications, refer to the Smart Card setup module in the NetMaster Smart Card Suite software package.

Network Communications

The control will also accept communication with a Network Interface Board which allows the control to be linked to a personal computer. This network link allows an owner to program, collect data, and run diagnostics on any machine.

For detailed information on Network Communications, refer to the Network instruction manual.

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NetMaster Identification

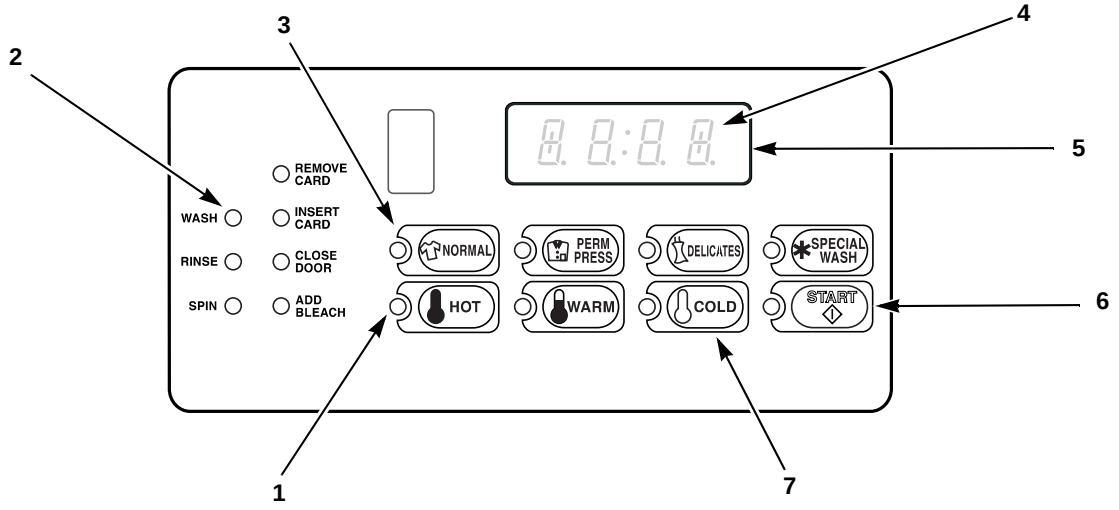
Select Cycle Pads (Refer to *Figure 1*)

SELECT CYCLE pads are used to select the specific washer-extractor cycle. These pads include NORMAL, PERM PRESS, DELICATES and SPECIAL WASH. These pads allow the user to select a cycle other than the default cycle (PERM PRESS). The SELECT CYCLE keypads are not active after the first fill cycle of the washer-extractor. The selected cycle is indicated by the light (LED) on the pad. Pressing the START pad will confirm the selection and the cycle will begin. When the Smart Card is used, the START pad flashes. Pressing the START pad will start the cycle and deduct the vend price from the card.

Select Wash Temp Pads (Refer to *Figure 1*)

SELECT WASH TEMP pads are used to select the temperature of the water used for the wash fill/tumble. These pads include HOT, WARM and COLD. These pads allow the user to select a water temperature other than the default setting (WARM). The SELECT WASH TEMP pads are active only during the first fill/tumble cycle of the washer. The selected temperature is indicated by the light (LED) on the pad.

Both the SELECT WASH TEMP pads and the SELECT CYCLE pads are used in various combinations for programming cycles, retrieving audit information, running diagnostic tests and other hidden operations. These instructions cover the basic manual programming and data retrieval options.



ELECTRONIC DISPLAY CONTROL

C872I

1	LED Light	**5**	VFD Display
2	LED Status Lights	**6**	START pad
3	SELECT CYCLE pads (top row)	**7**	SELECT WASH TEMP pads (bottom row)
4	Four 7-Segment Digits		

Figure 1

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VFD Display Identification

Light Emitting Diodes (LEDs) (Refer to *Figure 1*)

LIGHT EMITTING DIODES (LEDs) are used to indicate the chosen cycle, wash temperature, cycle status and door lock information. Refer below for information on each LED.

CYCLE LED (NORMAL, PERM PRESS, DELICATES or SPECIAL WASH)

CYCLE LED will remain lit the entire cycle.

WASH TEMP LED (HOT, WARM or COLD)

WASH TEMP LED will remain on until the end of the cycle or will change to a rinse temperature if programmed to do so.

WASH LED

WASH LED is lit at the beginning of a PreWash and Wash cycle and will remain lit until the wash cycle is complete.

RINSE LED

RINSE LED is lit at the beginning of the Rinse or Extra Rinse cycle and will remain lit until the cycle is complete.

SPIN LED

SPIN LED is lit for all Spin cycles.

CLEAN FILTER (VFD Models Only)

CLEAN FILTER LED is lit when the air filter needs to be cleaned.

ADD BLEACH

ADD BLEACH LED flashes, if programmed, when bleach can be added.

INSERT COINS/CARD LED

INSERT COINS/CARD LED prompts the user for coins or a card to satisfy the vend price. Four digits and decimal point show the vend price remaining to be satisfied. The vend price displayed will decrease with each coin inserted. If a new wash temp is selected during the first fill of the wash cycle and it requires additional vend, the INSERT COINS/CARD light will flash one (1) second on and one (1) second off, and the display will show the vend price remaining to be satisfied.

REMOVE CARD LED (Card Models Only)

REMOVE CARD LED flashes one (1) second on and one (1) second off after the START pad has been pressed and the vend has been deducted from the card. It will also flash when a card is inserted and no vend amount is required.

CLOSE DOOR

CLOSE DOOR LED flashes one (1) second on and one (1) second off when the control is in the Start Mode and the door is open. It also flashes in the Ready Mode with the door open and a card has been inserted. Whenever the CLOSE DOOR LED flashes, the START LED is off.

Four 7-Segment Digits

The 7-SEGMENT DIGITS are used to display the time remaining in a cycle, vend price, error messages and descriptive codes. When displaying the time remaining, the colon will flash, and when displaying the vend price the decimal point may be lit. During diagnostic testing or manual programming of the control, these digits will display descriptive codes and values (as described in ***Entering the Manual Mode***).

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Washer-Extractor Operation

Start Up

When power is applied to the washer, the control will display INSERT COINS/CARD, the decimal point and the vend price. The INSERT COINS/CARD light will remain lit until the vend price has been satisfied. The default cycle setting is PERM PRESS, the default wash water fill temperature is WARM and the default rinse water temperature is COLD. The LEDs will be lit on PERM PRESS and WARM at the start of the cycle. Refer to *Figure 2*. These default settings are owner programmable. Refer to ***Programming NetMaster***.

Ready Mode

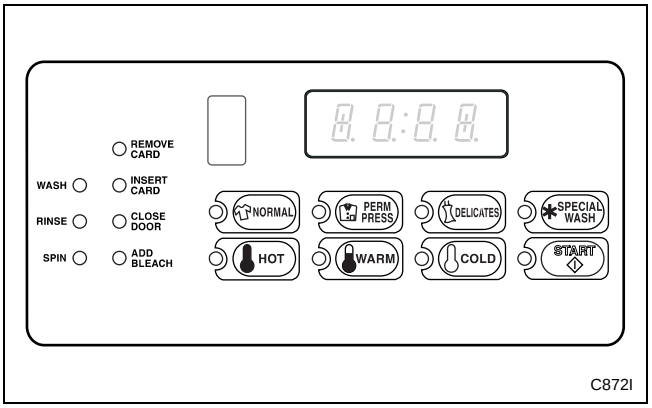

Figure 2

To start the cycle, the user must press the START keypad after the vend price has been satisfied.

The user will be able to select a different cycle or wash water temperature by pressing a cycle pad when the machine is in the Ready Mode or in the first fill cycle. If not enough vend is entered to satisfy the vend price, the control will display the remaining vend price needed to start the cycle. If the first fill was interrupted to change the temperature (which requires more money), and the vend price is not satisfied within one minute, the washer control will go back to the first selection and the cycle will restart. After the first fill, all key presses will be ignored, allowing the washer to go through the complete cycle.

When a cycle is complete, the control will display ":00" until the washer-extractor door is opened, a key is pressed or a coin/card is entered. When one of these three options occurs, the display will revert back to the Ready Mode. Refer to *Figure 2*.

Cycle Sequence

Upon the start of a cycle, NetMaster will display the total cycle time. The appropriate LEDs will light while the machine passes through different cycle steps. Any coin entered after the first fill/tumble cycle will be added to the total coin counter, but the user will not be able to change cycles or water temperature.

Closing Washer-Extractor Door

If the door is not closed when the START pad is pressed, "door" will be displayed until the door is closed. Once door is closed, the START pad must be pressed again to lock door and start the cycle. If the door does not lock within 15 seconds of being closed, "E:dL" will be displayed indicating a door lock error and the machine will shut off.

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Signals

There are four options when a signal can be used during the washer-extractor operation. These four options are listed below:

1. **End of Cycle Signal**
   By default, this signal is turned off. If turned on, the signal sounds for three (3) seconds at the end of a cycle.
2. **Signal On Keypad Depression**
   By default, this signal is turned on and sounds for a quarter of a second each time a keypad is pressed.
3. **Signal On Coin Input/Card Insertion**
   By default, this signal is turned on and will sound for a quarter of a second each time a coin or card is entered.
4. **Signal for Card Removal (Card Models Only)**
   By default, this signal is turned on and will sound one second on and one second off when the REMOVE CARD LED is flashing.

NOTE: Refer to *Programming NetMaster* to program signal options.

Changing Cycles

Cycles and wash temperatures can be changed anytime during the first fill/tumble cycle. After the first fill/tumble cycle, all key presses are ignored.

Selecting a higher priced wash temperature will stop the first fill/tumble cycle, and INSERT COINS/CARD will flash one (1) second on and one (1) second off until the vend price has been satisfied. After the vend price has been satisfied, the cycle will restart with the new wash temperature. If the vend price is not satisfied within one minute, the control will go back to the previously set wash temperature.

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NetMaster Special Features

Programming NetMaster

NetMaster allows the washer-extractor owner to program the control with the use of the keypad. Audit, diagnostic, cycle and vend information may be programmed and retrieved by pressing combinations of the Select Cycle and Select Wash Temp pads.

For details on programming cycle and vend information, refer to ***Programming NetMaster***.

Collecting Audit Information

The control will store audit information in its memory that can be retrieved by pressing various combinations of Select Cycle and Select Wash Temp pads. NetMaster will record coins entered, total wash cycles and total start pulses.

For more information on the audit features, refer to ***Collecting Audit Information***.

NOTE: Additional audit information is retrievable with the Micro-Wand IIIE, the Card Reader or the Network. Refer to the appropriate instruction manual.

Testing Machine and NetMaster Functions

Special programmable diagnostic features built into NetMaster allow the owner to run specific diagnostic tests. By opening and closing the service door and then pressing various sequences of Select Cycle and Select Wash Temp pads, the owner may perform the following tests:

- Control Software Version Number
- Heater on Test
- Access Panel Opening Test
- Coin Vault Opening Test
- Coin Drop #1 Input Test
- Coin Drop #2 Input Test
- Door Switch Input Test
- Door Lock Switch Input Test
- Show Fill Time Test
- Show Drain Time Test
- Temperature Sensor Display Test
- Start Pulse Test
- Pressure Switches Opening Test
- Configuration #1 Display Test
- Configuration #2 Display Test
- Configuration #3 Display Test
- VFD Balance Input Test
- VFD Filter Input Test
- Water Purge

For detailed information on running diagnostic tests, refer to ***Testing Machine and NetMaster Functions***.

Sales Floor Feature

NetMaster washer-extractor has a built-in sales floor routine used to display all LED lights and the four digits with the colon and decimal point. This function is designed to show potential customers the high-tech features of NetMaster.

For detailed information, refer to ***Sales Floor Feature***.

Rapid Advance Feature

This feature allows the user to quickly advance through active cycles or advance into a cycle from the Ready Mode. This feature is useful when tests must be performed immediately on a washer-extractor currently in an active cycle. In this case, the user can quickly advance through the cycles to the Ready Mode. At this point, the user can perform the required tests and then return the washer-extractor to the point it was interrupted.

For detailed information, refer to ***Rapid Advance Feature***.

Clearing the NetMaster Vend Feature

This feature allows the user to return NetMaster back to the Ready Mode if coins or a card have been entered but the full vend price has not yet been satisfied. Refer to *Figure 2*.

For more information, refer to ***Clear Vend Feature***.

Communications Mode

This feature allows the washer-extractor control to communicate with the Micro-Wand IIIE, the Card Reader or the Network. This allows the washer-extractor control to be programmed and have its data read without using the keypad.

For more detailed information, refer to ***Communications Mode***.

Dual Coin Drop

The control will accept pulses from a single or dual coin drop to satisfy vend price. Each coin drop will have the ability to start or run a cycle.

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Start Pulse Operation

The control will accept pulses from a central card reader system. The machine can be programmed to receive a single start pulse or multiple start pulses, or the Start Pulse Option can be turned off. The Start Pulse Mode allows the machine to go from the Ready Mode to the Start mode after a single pulse or multiple pulses are received. For details on programming Start Pulse Operation, refer to ***Programming NetMaster*** in the Enhanced Programming Guide, available at extra cost.

Access Panel and Coin Vault Openings

The control will capture the times and dates of the openings of the Coin Vault and the Access Panel. The information is saved in memory. An open access panel combined with various keypad presses allows the control to enter manual modes of operation if the Break-In Alarm is not on. These modes include Manual Programming, Audit Collection and Diagnostics.

Break-In Alarm

This feature allows the owner to program the machine to signal an alarm if the access panel or coin vault is opened without disabling the alarm first. The date and time of the break-in is recorded. To avoid the alarm during coin collections, the alarm must be disabled.

Special Vend

This feature allows the owner to program the control to allow programmable vend prices for specific hours and dates.

For details on programming Special Vend, refer to ***Programming NetMaster***.

Lucky Cycle

This feature allows the owner to program the machine to provide a free vend cycle to customers after a certain number of cycles have occurred.

For details on programming the Lucky Cycle Option, refer to ***Programming NetMaster***.

Site Code Pricing

This feature allows owners to program the control to accept site codes for special vending that are specific to select groups or individuals when using cards.

For details on programming the site code options, refer to ***Programming NetMaster*** in the Enhanced Programming Guide, available at extra cost.

Special Cycle

This feature allows the owner to offer extra features to customers for an added vend price. Features available include extra wash time, extra Rinse Extra time, warm water (used in the rinse final fill step) and Very High Speed Final Extract (on VFD models).

For details on programming the Special Cycle option, refer to ***Programming NetMaster*** in the Enhanced Programming Guide, available at extra cost.

Auto-Flush Feature

This feature, if enabled, allows the control to be set to automatically flush the dispenser compartments at predetermined intervals and times. The control will flush the dispenser compartments with hot water for a pre-programmed number of seconds or until a low water level is reached. The door must be closed for the Auto-Flush Feature to operate properly.

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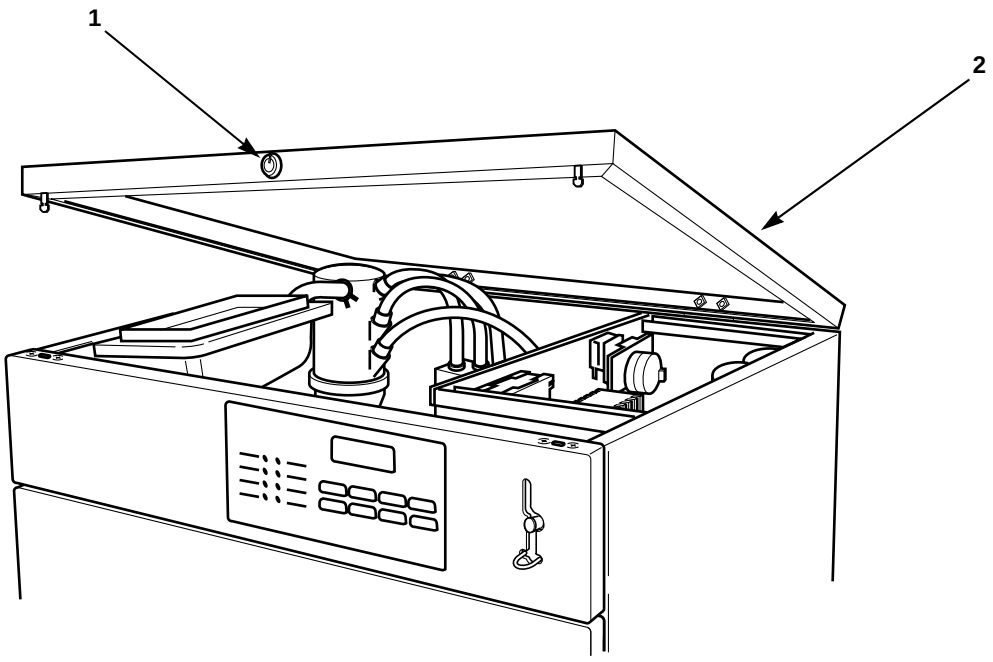
Opening the Access Panel

To manually program NetMaster, the access panel must be opened. Opening and closing the access panel trips a switch which allows access to various programming options. Once opened, the access panel may either be left open, and then closed after programming, or it may be closed immediately.

NOTE: If the Break-In Alarm option is enabled, it must be disabled before opening the access panel. For more information on using the Break-In Alarm, refer to the Micro-Wand IIIE or Network Instruction Manual.

The access panel is located on the top of the washer-extractor. Refer to *Figure 3*.

After opening, or opening and closing the access panel, the operator has 4.25 minutes to begin programming. If the appropriate SELECT PADS have not been pressed in that time, the control will not accept operator programming. Should this happen, opening and closing the access panel will once again trip the switch which allows access to the programming options.



1 Access Panel Lock
2 Access Panel

Figure 3

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Entering the Manual Mode

For programming, testing and retrieving information from NetMaster, it is often necessary to enter the Manual Mode by following the four simple steps below.

How to Enter the Manual Mode

1. Be sure the washer-extractor is in the Ready Mode before continuing to step 2. Refer to *Figure 2*. If the washer-extractor is in an active cycle, rapid advance through the cycle. Refer to ***Rapid Advance Feature***. If coins have been entered, refer to ***Clear Vend Feature***.
2. Open the access panel. Refer to ***Opening the Access Panel***.
3. While pressing and holding the NORMAL keypad with one hand, press the HOT keypad with the other hand.
4. The VFD display will show “rAPd”. Refer to *Figure 4*.

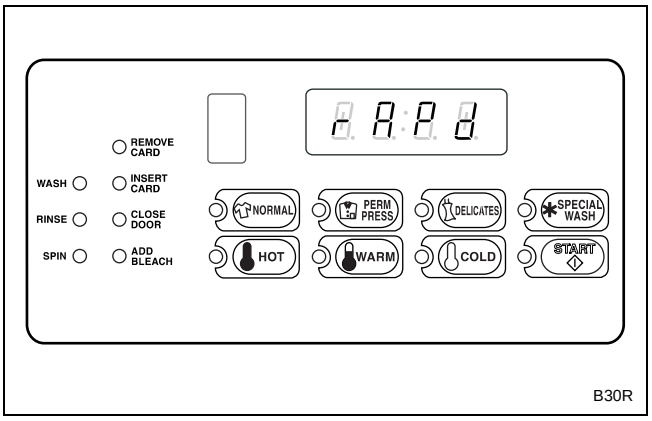

Figure 4

5. Press the DELICATES (+) or the COLD (-) keypad to scroll through the options until the desired option appears in the VFD.
6. Press the START (enter) keypad.

Manual Mode is broken into two groups: Manual Programming and Manual Rapid Advance/Diagnostics. Manual Programming can only be turned ON or OFF with the Micro-Wand IIIE, the Smart Card Reader or the Network. Refer to the appropriate instruction manual. Manual Rapid Advance/Diagnostics can be turned ON and OFF using the Micro-Wand IIIE, by manual programming (refer to *option 81* in ***Programming NetMaster***), with the Smart Card Reader, or with the Network.

By default, both groups are turned ON.

The manual features available in each group are as follows (the menu displayed on the VFD in this mode is in parentheses).

Manual Programming

Manual Programming (PrOg)

Manual Read Audit (AudT)

Manual Reset (rSET)

Rapid Advance/Diagnostics

Rapid Advance (rAPd)

Show Mode (SHOW)

Diagnostic Tests (dIAg)

If a group is turned OFF, the feature menu will still appear, but the features in the group cannot be entered.

NOTE: If no feature is chosen, the washer-extractor will return to the Ready Mode after approximately four minutes.

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Programming NetMaster

What Can Be Programmed?

This feature allows the owner to program cycle information, standard vend pricing, special vends and other features by using the keypads. The control must have the Manual Programming Mode enabled, which is the factory default. This mode can only be turned OFF and ON by using the Micro-Wand IIIE, the Smart Card Reader or the Network. Refer to this section when programming NetMaster.

This section offers a detailed description of basic options available to program. Additional options can be found in the Enhanced Programming Guide, available at extra cost.

Each description includes instructions on when and why the option might be used and, more importantly, how to program the option.

For more advanced users, refer to *Table 1* for a quick reference list of the options available through the programming mode.

NOTE: The three numbers in the Option column of *Table 1* are what will be shown in the VFD display when that option is selected.

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Programmable Options Available

OPTION	DESCRIPTION
001	Audio Signal
002	Regular Hot Wash Vend Price
003	Regular Warm Wash Vend Price
004	Regular Cold Wash Vend Price
005	Special Wash Hot Wash Vend Price
006	Special Wash Warm Wash Vend Price
007	Special Wash Cold Wash Vend Price
014	Special Cycle Vend Price
015	Special Vend A Days Enable
016	Special Vend A Start Hour
017	Special Vend A Length in Hours
018	Special Vend A Start Month
019	Special Vend A Start Date
020	Special Vend A End Month
021	Special Vend A End Date
023	Special Vend A Regular Hot Wash Vend Price
024	Special Vend A Regular Warm Wash Vend Price
025	Special Vend A Regular Cold Wash Vend Price
026	Special Vend A Special Wash Hot Wash Vend Price
027	Special Vend A Special Wash Warm Wash Vend Price
028	Special Vend A Special Wash Cold Wash Vend Price
029	Special Vend A Auto-Shutdown Enable
030	Coin #1 Value
031	Coin #2 Value
033	Default Cycle/Temperature
035	Set Real-Time Clock Minutes
036	Set Real-Time Clock Hours
037	Set Real-Time Clock Day
038	Set Real-Time Clock Date
039	Set Real-Time Clock Month
040	Set Real-Time Clock Year
041	Set Real-Time Clock Century
042	Normal PreWash #1 Fill/Tumble Time
044	Normal Wash Fill/Tumble Time
045	Normal Rinse #1 Fill/Tumble Time
047	Normal Rinse Final Fill/Tumble Time
048	Normal Spin Extract Time
051	Permanent Press PreWash #1 Fill/Tumble Time
053	Permanent Press Wash Fill/Tumble Time
054	Permanent Press Rinse #1 Fill/Tumble Time
056	Permanent Press Rinse Final Fill/Tumble Time
057	Permanent Press Spin Extract Time
062	Delicates Wash Fill/Tumble Time
063	Delicates Rinse #1 Fill/Tumble Time
065	Delicates Rinse Final Fill/Tumble Time
066	Delicates Spin Extract Time
069	Special Wash PreWash #1 Fill/Tumble Time
071	Special Wash Wash Fill/Tumble Time
072	Special Wash Rinse #1 Fill/Tumble Time
074	Special Wash Rinse Final Fill/Tumble Time
075	Special Wash Spin Extract
081	Control Configuration Data #1
114	Lucky Option
118	Auto-Flush Option
119	Auto-Flush Hour
120	Auto-Flush DOW
121	Smart Card Maximum Value

Table 1

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Additional options found in the Enhanced Programming Guide (available at extra cost) include:

- Site Code #1
- Site Code #1 Regular (Hot, Warm and Cold Wash) Vend Prices
- Site Code #1 Special Wash (Hot, Warm and Cold Wash) Vend Prices
- Special Vend A Site Code #1
- Start Pulse Value
- Power Fail Reset
- Normal, Permanent Press, Delicates and Special Wash PreWash #2 Fill/Tumble Times
- Normal, Permanent Press, Delicates and Special Wash Rinse Extra Fill/Tumble Times
- Normal, Permanent Press, Delicates and Special Wash Spin Extract Speeds
- Normal, Permanent Press, Delicates and Special Wash Extracts On/Off
- Delicates PreWash #1 Fill/Tumble Time
- PreWash #1/PreWash #2/Rinses Water Temperature
- Fill/Tumble Water Levels #1 and #2
- Configuration Data #2 and #3
- Hot, Warm and Cold Water Temperatures
- Dispenser and Drain Options
- Water Inlet
- Special Cycle Option and Times
- Error Code Programming Parameter
- Start Pulse Mode

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1. Audio Signal “+001”

This option allows the owner to program when the signal will sound.

There are four occasions when a signal may sound during the washer operation. These four occasions are listed below:

1. **End of Cycle Signal**
   By default, the signal is turned off. If turned on, the signal will sound for three seconds at the end of a cycle.
2. **Keypad Depression Signal**
   By default, this signal is turned on and will sound for a quarter of a second. This signal will sound each time a keypad is pressed.
3. **Coin Input/Card Insertion Signal**
   By default, this signal is turned on and will sound for a quarter of a second each time a coin or card is entered.
4. **Remove Card Signal (Card Models Only)**
   By default, this signal is turned on and will sound one (1) second on and one (1) second off when the REMOVE CARD LED is flashing and the transaction is complete.

How to Program the Audio Signal

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad.

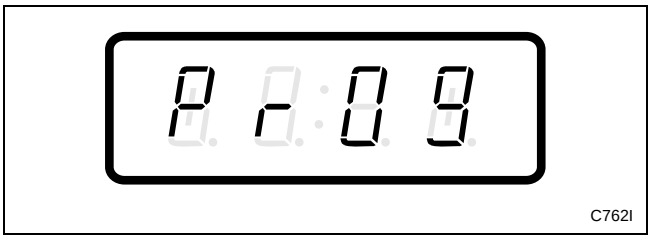


Figure 5

3. “+001” will appear in the VFD. Press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Audio Signal Programming Value. Refer to *Figure 6*.

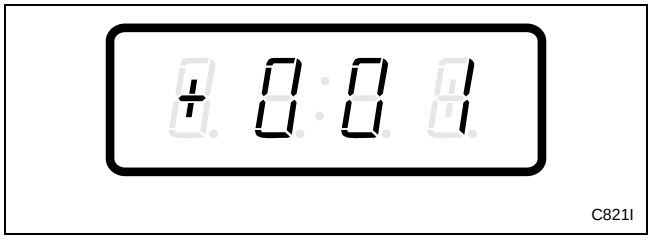
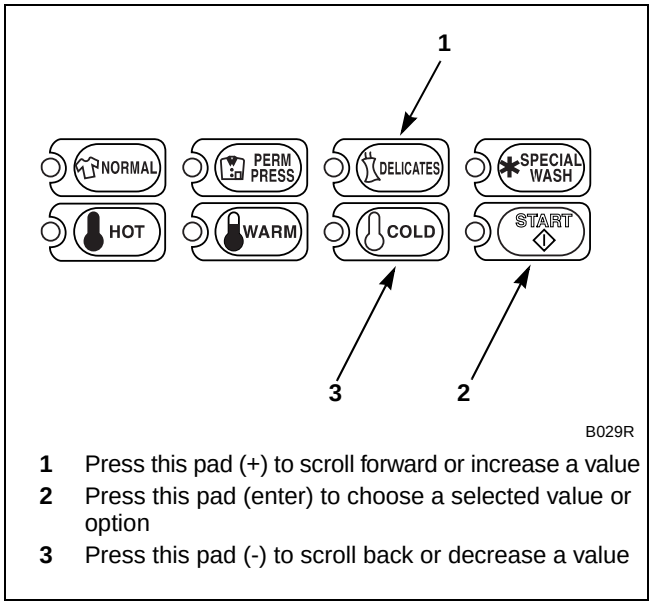


Figure 6

4. Locate the desired number in the first column of *Table 2* on the following page.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. Refer to *Figure 7*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 7

Example: An owner might wish to have the signal sound only when a keypad is pressed. Entering the number “1” in step 5 would turn off all the options except KEYPAD. In this instance, the signal would sound only when a keypad is pressed.

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+002”, will appear in the VFD.

NOTE: To program “+002” (Regular Hot Wash Vend Price), refer to *option 2*. To program other options, refer to the appropriate section.

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How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

How to Read *Table 2*

To determine the correct number required to program the Audio Signal, use the following table. The Signal Value column contains the number required in step 5. The other columns correspond to individual options.

Each column of options contains a unique combination of the words ON and OFF that indicates if that column's option is turned on or off when the Signal Value is entered. Select the desired combination of options and enter the number found in the Signal Value column.

Signal Value	Remove Card	Coin/Card Input	End of Cycle	Key Pressed
0	OFF	OFF	OFF	OFF
1	OFF	OFF	OFF	**ON**
2	OFF	OFF	**ON**	OFF
3	OFF	OFF	**ON**	**ON**
4	OFF	**ON**	OFF	OFF
5	OFF	**ON**	OFF	**ON**
6	OFF	**ON**	**ON**	OFF
7	OFF	**ON**	**ON**	**ON**
8	**ON**	OFF	OFF	OFF
9	**ON**	OFF	OFF	**ON**
10	**ON**	OFF	**ON**	OFF
11	**ON**	OFF	**ON**	**ON**
12	**ON**	**ON**	OFF	OFF
13	**ON**	**ON**	OFF	**ON**
14	**ON**	**ON**	**ON**	OFF
15	**ON**	**ON**	**ON**	**ON**

Table 2

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2. Regular Hot Wash Vend Price “+002”

This option allows the owner to set the vend price for a hot wash for all Regular Wash cycles (Normal, Permanent Press and Delicates). This vend price will be displayed in the VFD when HOT is selected.

How to Program the Regular Hot Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 8

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+002” appears in the VFD. Refer to *Figure 9*.

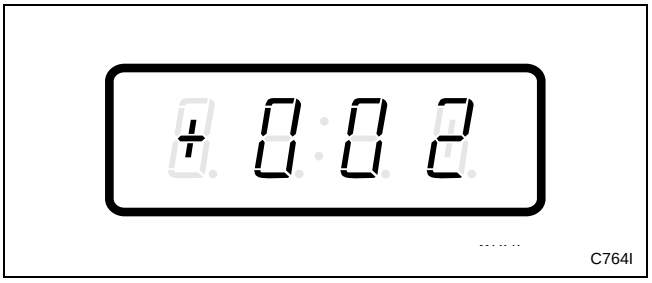


Figure 9

4. When “+002” appears in the VFD, press the START (enter) keypad. There are five digits in the Regular Hot Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. Refer to *Figure 10*.

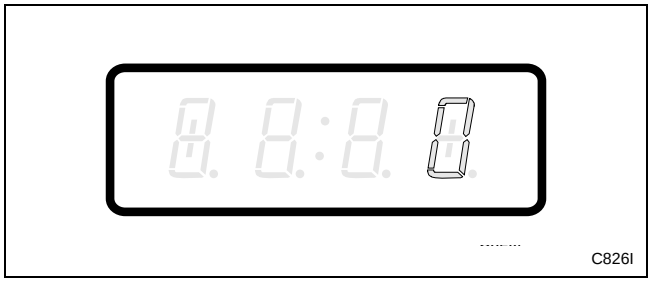
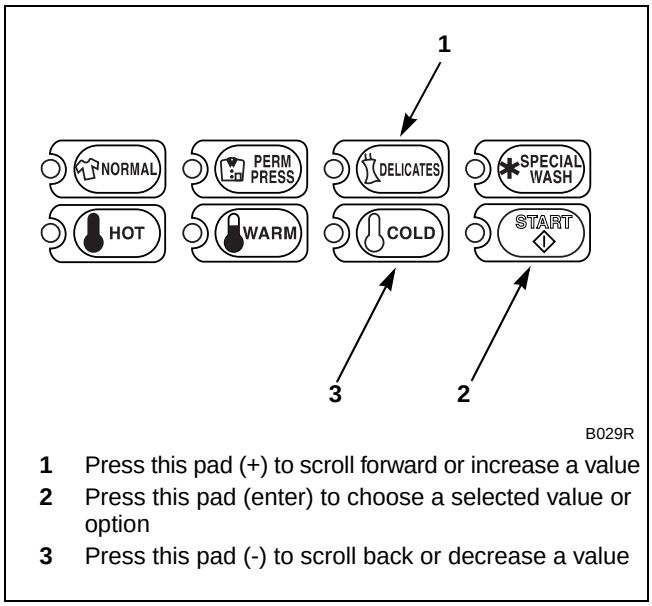


Figure 10

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 11*.

NOTE: The vend price can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 11

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 12*.

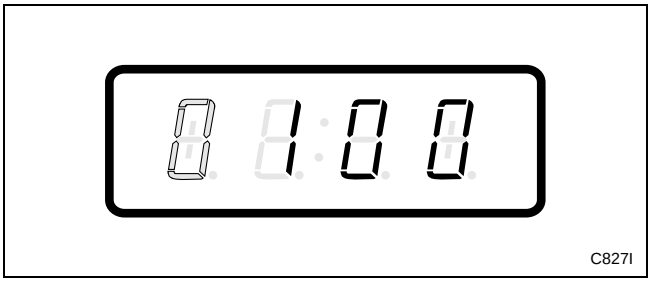

Figure 12

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+003", will appear in the VFD.

NOTE: To program "+003" (Regular Warm Wash Vend Price), refer to *option 3*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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3. Regular Warm Wash Vend Price “+003”

This option allows the owner to set the vend price for a warm wash for all Regular Wash cycles (Normal, Permanent Press and Delicates). This vend price will be displayed in the VFD when WARM is selected.

How to Program the Regular Warm Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 13

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+003” appears in the VFD. Refer to *Figure 14*.

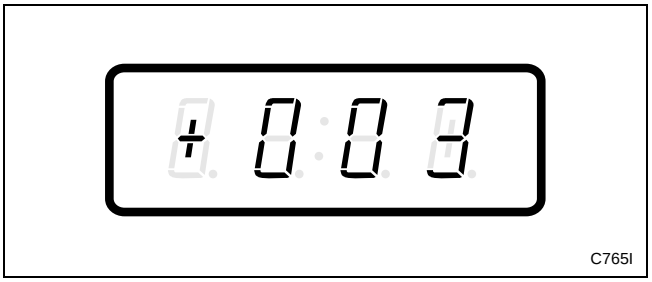


Figure 14

4. When “+003” appears in the VFD, press the START (enter) keypad. There are five digits in the Regular Warm Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. Refer to *Figure 15*.

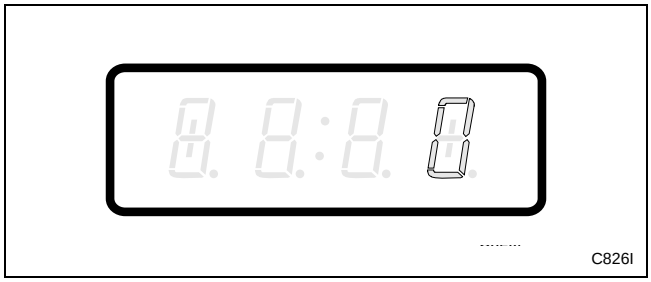
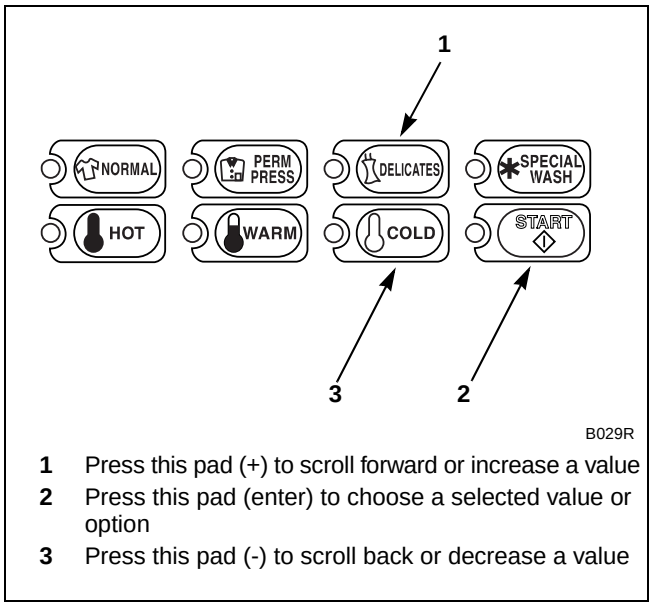


Figure 15

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 16*.

NOTE: The vend price can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 16

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 17*.

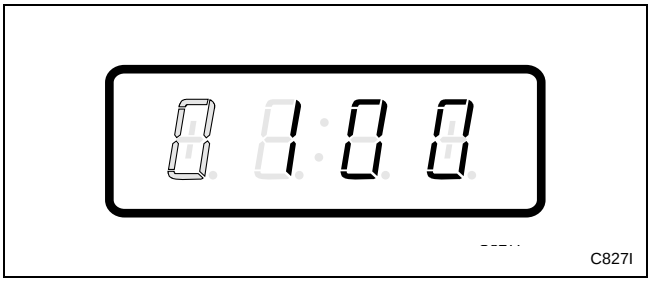

Figure 17

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+004", will appear in the VFD.

NOTE: To program "+004" (Regular Cold Wash Vend Price), refer to *option 4*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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4. Regular Cold Wash Vend Price “+004”

This option allows the owner to set the vend price for a cold wash for all Regular Wash cycles (Normal, Permanent Press and Delicates). This vend price will be displayed in the VFD when COLD is selected.

How to Program the Regular Cold Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 18

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+004” appears in the VFD. Refer to *Figure 19*.

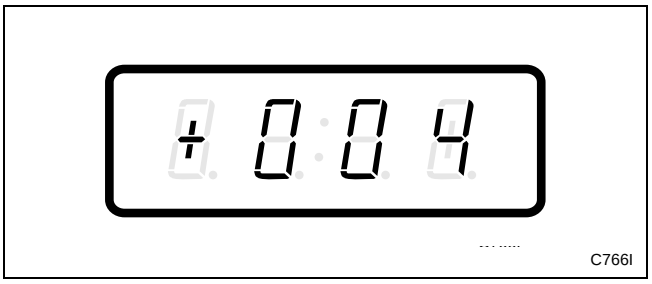


Figure 19

4. When “+004” appears in the VFD, press the START (enter) keypad. There are five digits in the Regular Cold Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. Refer to *Figure 20*.

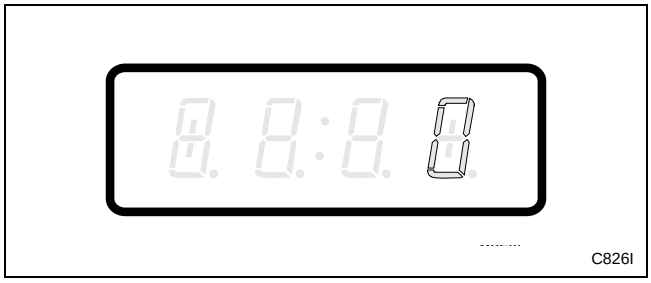
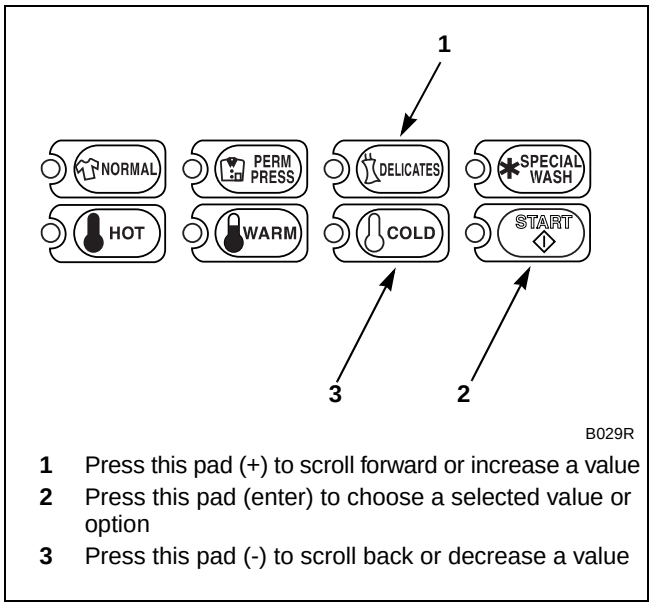


Figure 20

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 21*.

NOTE: The vend price can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 21

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 22*.

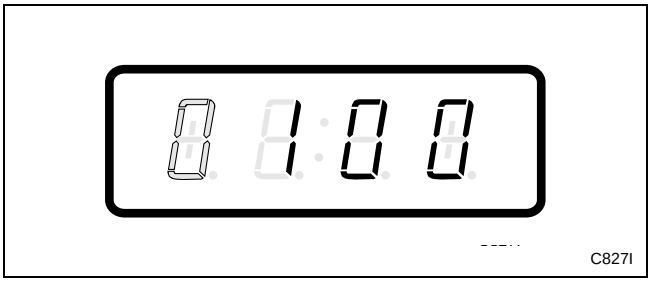

Figure 22

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+005", will appear in the VFD.

NOTE: To program "+005" (Special Wash Hot Wash Vend Price), refer to *option 5*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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5. Special Wash Hot Wash Vend Price “+005”

This option allows the owner to set the vend price for a hot wash for the Special Wash cycle. This vend price will be displayed in the VFD when HOT is selected.

How to Program the Special Wash Hot Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

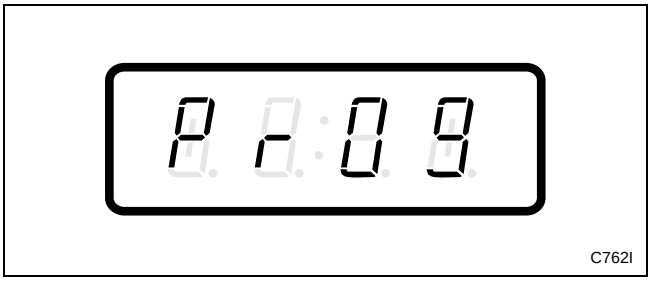


Figure 23

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+005” appears in the VFD. Refer to *Figure 24*.

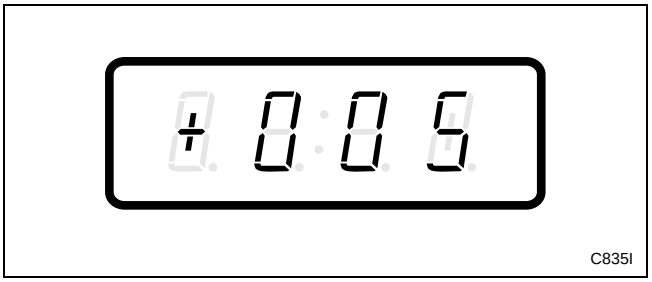


Figure 24

4. When “+005” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Wash Hot Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. Refer to *Figure 25*.

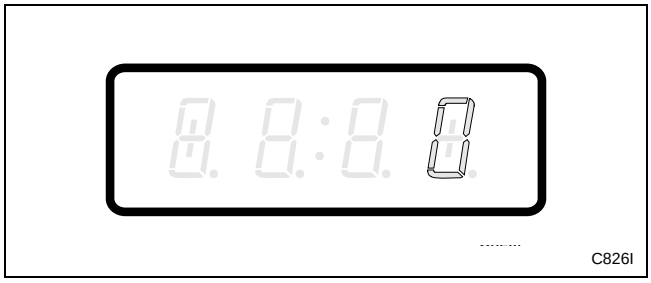
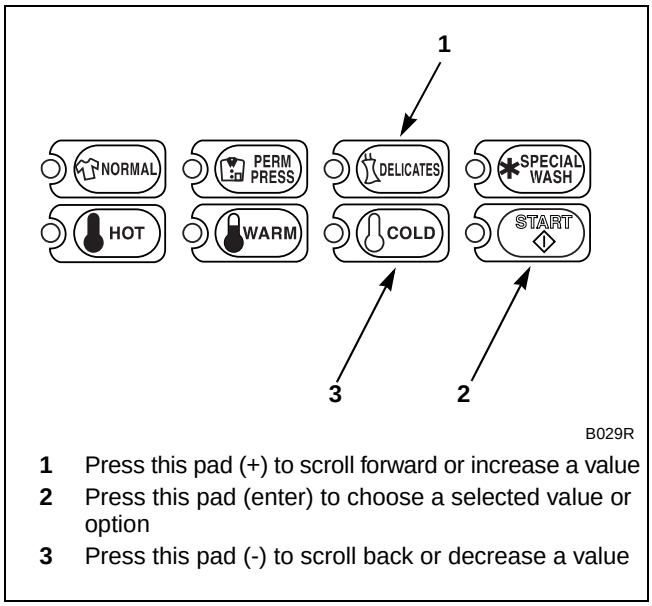


Figure 25

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 26*.

NOTE: The vend price can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 26

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 27*.

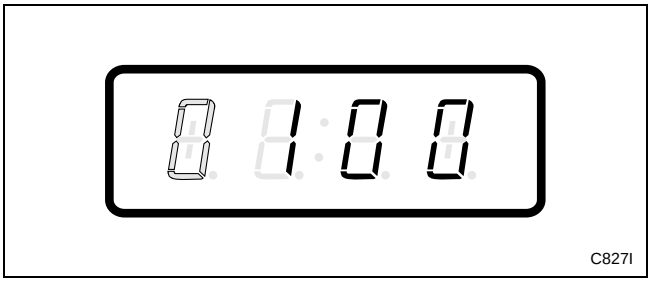

Figure 27

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+006", will appear in the VFD.

NOTE: To program "+006" (Special Wash Warm Wash Vend Price), refer to *option 6*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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6. Special Wash Warm Wash Vend Price “+006”

This option allows the owner to set the vend price for a warm wash for the special wash cycle. This vend price will be displayed in the VFD when WARM is selected.

How to Program the Special Wash Warm Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

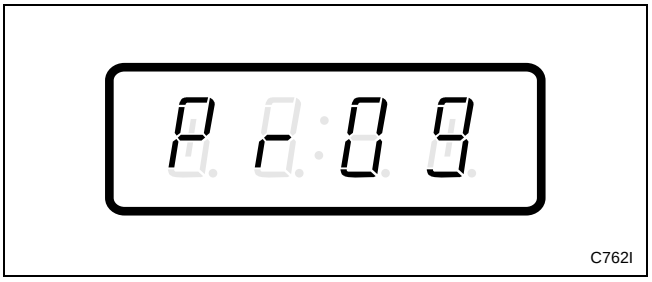


Figure 28

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+006” appears in the VFD. Refer to *Figure 29*.

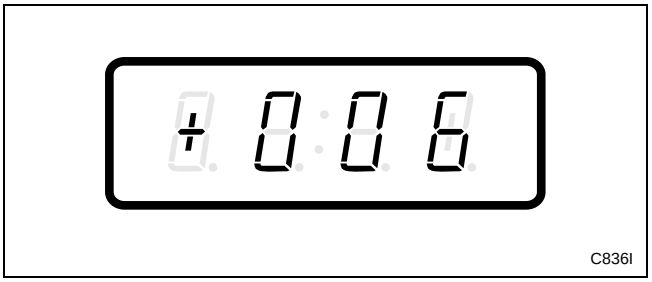


Figure 29

4. When “+006” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Wash Warm Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. Refer to *Figure 30*.

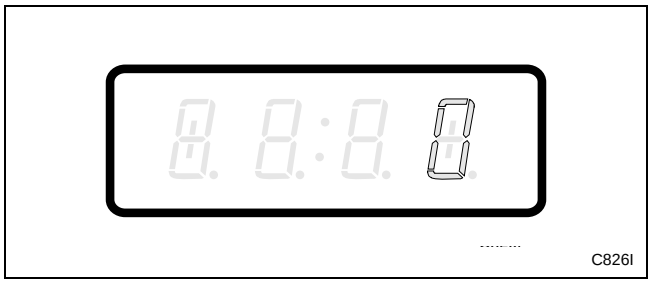
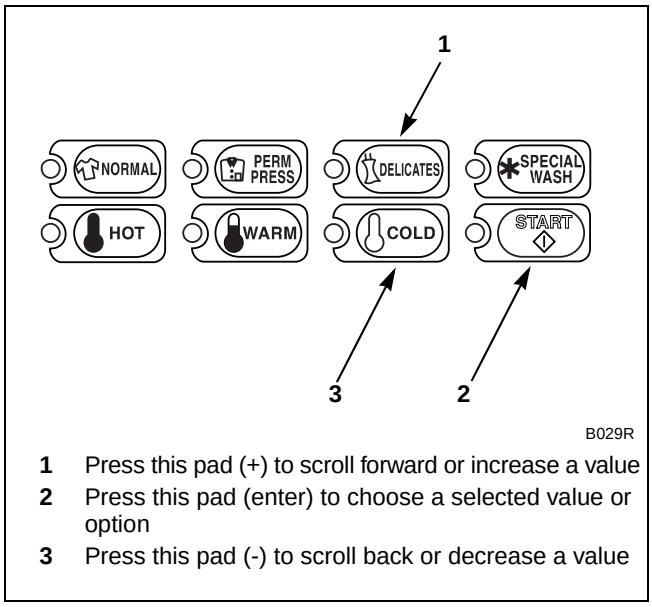


Figure 30

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 31*.

NOTE: The vend price can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 31

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 32*.

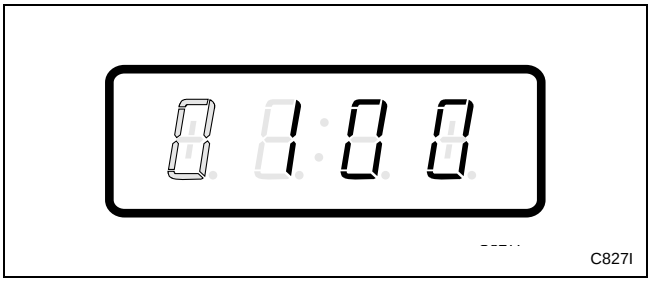

Figure 32

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+007", will appear in the VFD.

NOTE: To program "+007" (Special Wash Cold Wash Vend Price), refer to *option 7*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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7. Special Wash Cold Wash Vend Price “+007”

This option allows the owner to set the vend price for a cold wash for the special wash cycle. This vend price will be displayed in the VFD when COLD is selected.

How to Program the Special Wash Cold Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

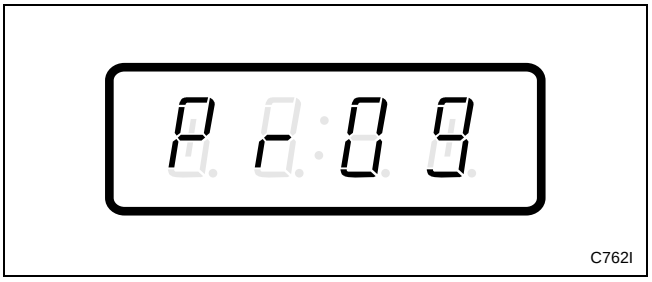


Figure 33

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+007” appears in the VFD. Refer to *Figure 34*.

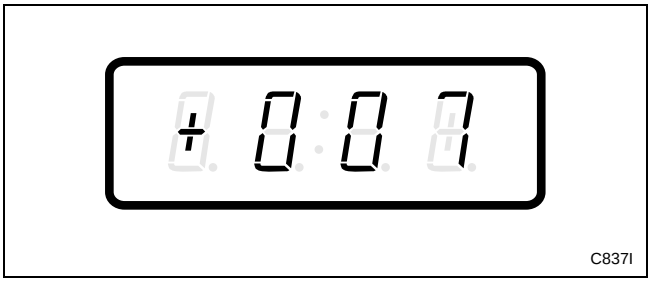


Figure 34

4. When “+007” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Wash Cold Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. Refer to *Figure 35*.

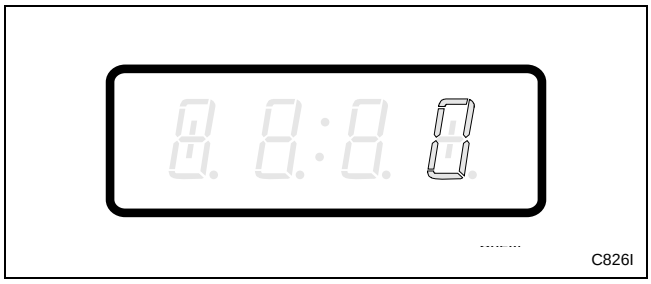
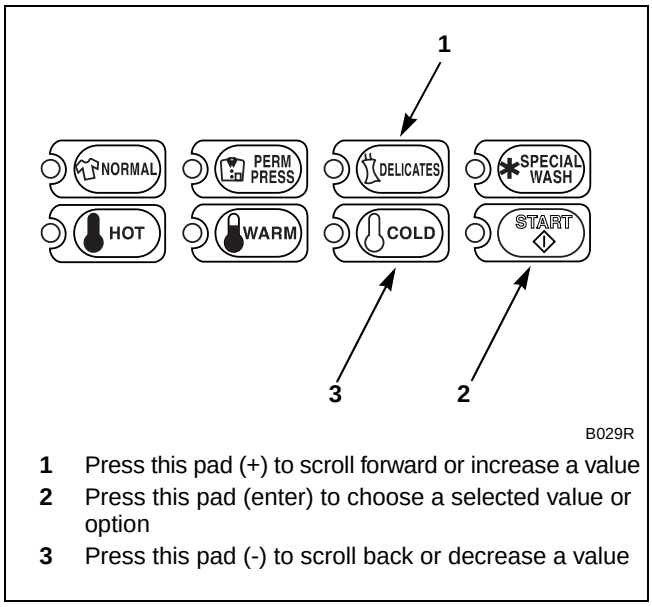


Figure 35

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 36*.

NOTE: The vend price can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 36

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 37*.

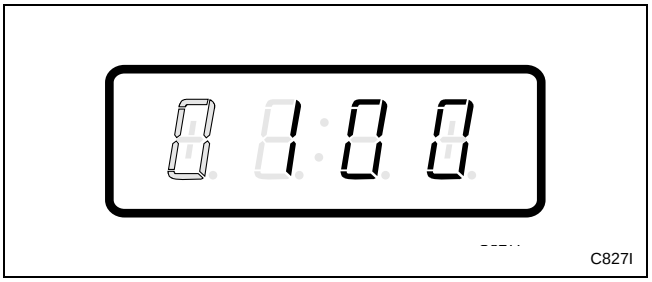

Figure 37

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+008", will appear in the VFD.

NOTE: To program "+008" (Site Code #1 Regular Hot Wash Vend Price), refer to *option 8* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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15. Special Vend A Days Enable "+015"

This option allows the owner to set the day or days of a special vend.

Special Vend A is used to change the standard vend prices for special occasions or to turn the machine off. The special vend can be programmed to start and end on a specific day or days of the week.

The owner may also turn the Special Vend A option on or off if desired.

How to Program Special Vend A Days Enable

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

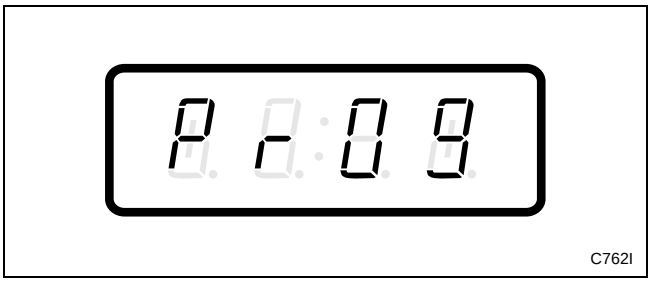


Figure 38

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+015" appears in the VFD. Refer to *Figure 39*.

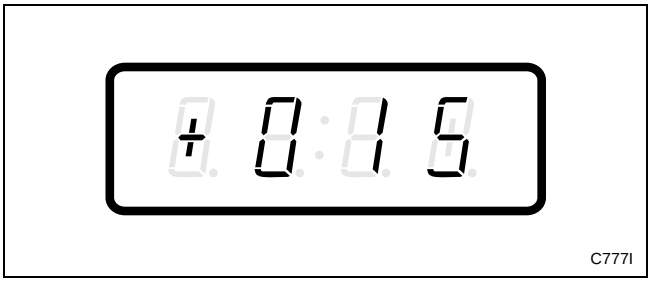
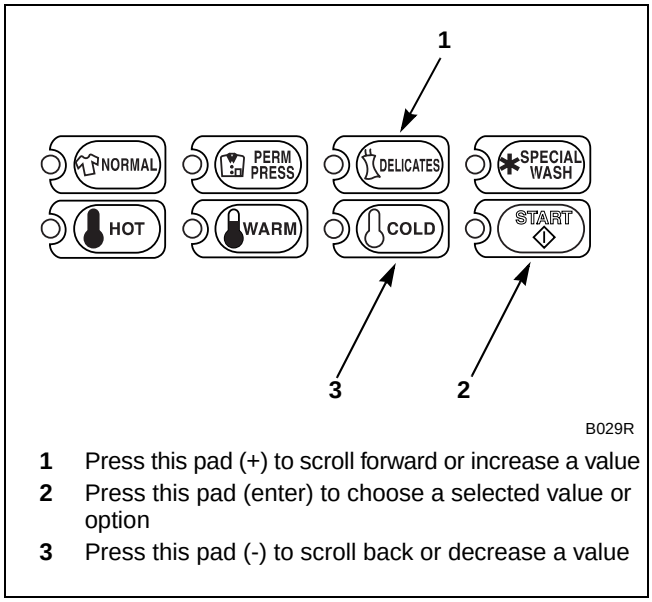


Figure 39

4. When "+015" appears in the VFD, press the START (enter) keypad. A number will appear in the VFD that corresponds to the current Special Vend A Days Enable Programming Value.
5. Locate the desired number in the first column of *Table 3* on the following pages.
6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. Refer to *Figure 40*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 40

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, "+016", will appear in the VFD.

NOTE: To program "+016" (Special Vend A Start Hour), refer to *option* . To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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How to Read

To determine the correct number required to program the Special Vend A Days Enable, use the following table. The "SPA" Value column contains the number required in step 6. The other columns correspond to individual days.

Each column of days contains a unique combination of the words ON and OFF that indicates if that column's day is turned on or off when the "SPA" value is entered. Select the desired combination of days and enter the number found in the "SPA" value column.

"+015"								
"SPA" VALUE	**SAT**	**FRI**	**THUR**	**WED**	**TUE**	**MON**	**SUN**	**ON/OFF**
0	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3	OFF	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**
5	OFF	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**
7	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**
9	OFF	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**
11	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**
13	OFF	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**
15	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**
17	OFF	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**
19	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**
21	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**
23	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**
25	OFF	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**
27	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**
29	OFF	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**
31	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
33	OFF	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**
35	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**
37	OFF	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**
39	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**
41	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**
43	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**
45	OFF	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**
47	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
49	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**
51	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**
53	OFF	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**
55	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
57	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**
59	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
61	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
63	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
65	OFF	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**
67	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**
69	OFF	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**
71	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**

Table 3

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“+015” (Continued)								
“SPA” VALUE	**SAT**	**FRI**	**THUR**	**WED**	**TUE**	**MON**	**SUN**	**ON/OFF**
73	OFF	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**
75	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**
77	OFF	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**
79	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**
81	OFF	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**
83	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**
85	OFF	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**
87	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**
89	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**
91	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**
93	OFF	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**
95	OFF	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
97	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**
99	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**
101	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**
103	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**
105	OFF	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**
107	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**
109	OFF	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**
111	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
113	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**
115	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**
117	OFF	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**
119	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
121	OFF	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**
123	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
125	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
127	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
129	**ON**	OFF	OFF	OFF	OFF	OFF	OFF	**ON**
131	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**
133	**ON**	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**
135	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**
137	**ON**	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**
139	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**
141	**ON**	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**
143	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**
145	**ON**	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**
147	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**
149	**ON**	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**
151	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**
153	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**
155	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**
157	**ON**	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**
159	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
161	**ON**	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**
163	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**
165	**ON**	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**

Table 3

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"+015" (Continued)								
"SPA" VALUE	**SAT**	**FRI**	**THUR**	**WED**	**TUE**	**MON**	**SUN**	**ON/OFF**
167	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**
169	**ON**	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**
171	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**
173	**ON**	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**
175	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
177	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**
179	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**
181	**ON**	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**
183	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
185	**ON**	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**
187	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
189	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
191	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
193	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**
195	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**
197	**ON**	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**
199	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**
201	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**
203	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**
205	**ON**	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**
207	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**
209	**ON**	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**
211	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**
213	**ON**	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**
215	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**
217	**ON**	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**
219	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**
221	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**
223	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
225	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**
227	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**
229	**ON**	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**
231	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**
233	**ON**	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**
235	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**
237	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**
239	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
241	**ON**	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**
243	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**
245	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**
247	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
249	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**
251	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
253	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
255	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**

Table 3

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Special Vend A Start Hour "+016"

This option allows the owner to set the hour that Special Vend A will begin.

How to Program Special Vend A Hour

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

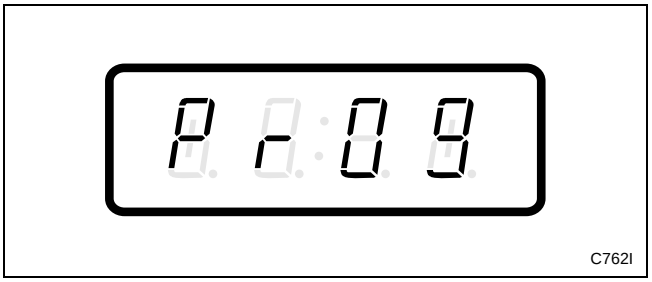


Figure 41

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+016" appears in the VFD. Refer to *Figure 42*.

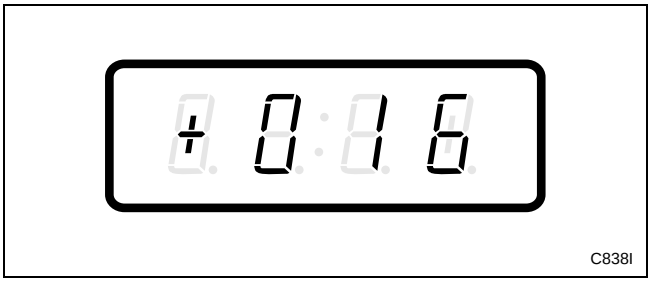
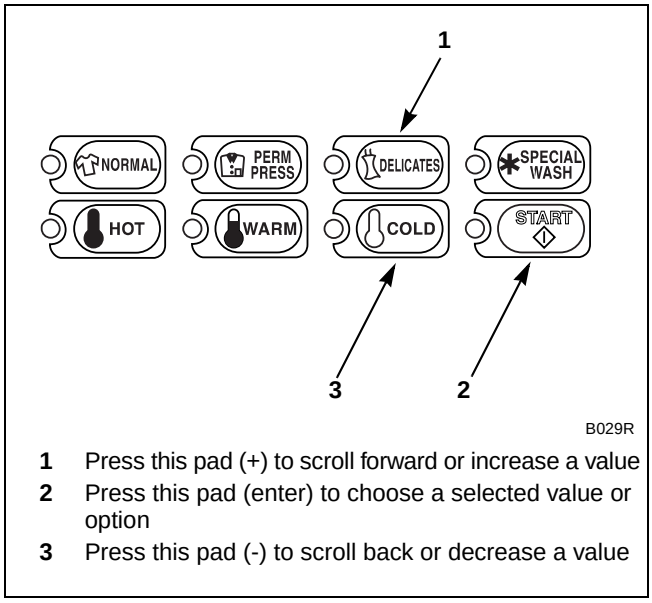


Figure 42

4. When "+016" appears in the VFD, press the START (enter) keypad. The current start time (in military time) will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the start hour to the desired hour. Refer to *Figure 43*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 43

6. Press the START (enter) keypad when the correct hour appears in the VFD. The next option, "+017", will appear in the VFD.

NOTE: To program "+017" (Special Vend A Length in Hours), refer to *option 16*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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16. Special Vend A Length in Hours "+017"

This option allows the owner to set the length in hours for Special Vend A.

How to Program Special Vend A Length in Hours

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

Figure 44

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+017" appears in the VFD. Refer to *Figure 45*.

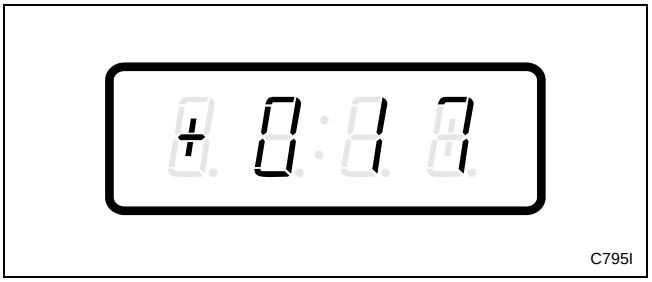
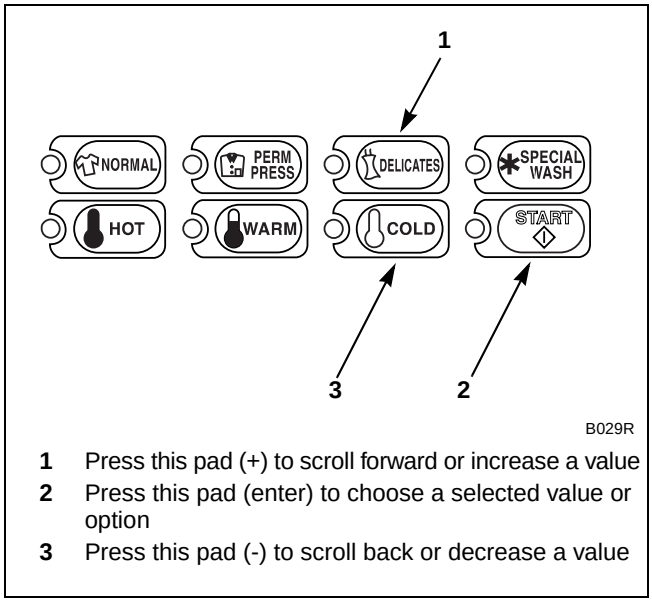


Figure 45

4. When "+017" appears in the VFD, press the START (enter) keypad. The current length in hours will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current length of hours to the desired number of hours. Refer to *Figure 46*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 46

6. Press the START (enter) keypad when the correct hour appears in the VFD. The next option, "+018", will appear in the VFD.

NOTE: To program "+018" (Special Vend A Start Month), refer to *option 17*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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17. Special Vend A Start Month "+018"

This option allows the owner to set the month that Special Vend A will begin.

NOTE: If Special Vend A Start Month, Start Date, End Month, or End Date are programmed to zero (default is zero), the special Vend A will be active every week on the days programmed in *option 15*.

How to Program Special Vend A Start Month

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

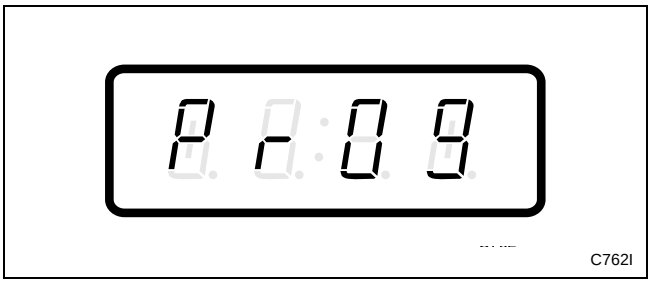


Figure 47

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+018" appears in the VFD. Refer to *Figure 48*.

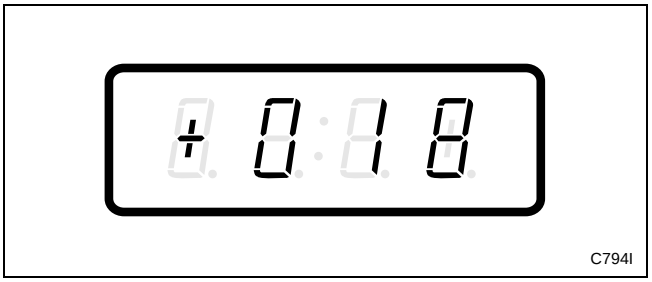
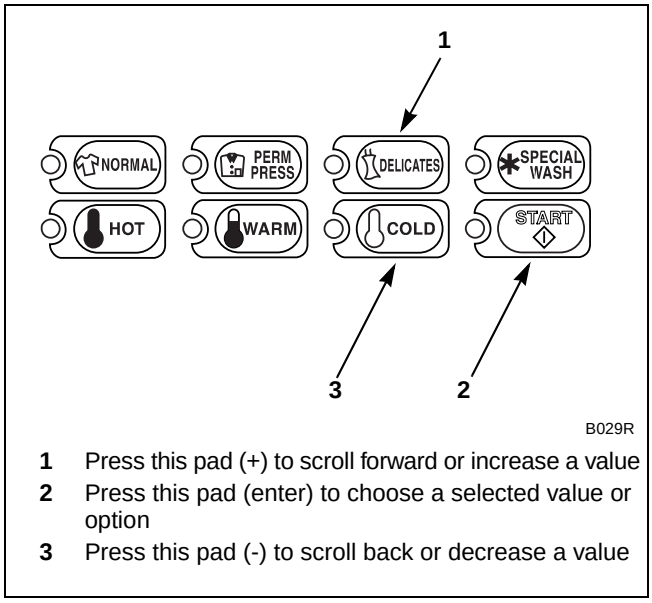


Figure 48

4. When "+018" appears in the VFD, press the START (enter) keypad. The current start month will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the start month to the desired month. Refer to *Figure 49*.

   If "0" is selected and Special Vend A is on, Special Vend A will occur at the time and days of week selected, regardless of the month.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 49

6. Press the START (enter) keypad when the correct month appears in the VFD. The next option, "+019", will appear in the VFD.

NOTE: To program "+019" (Special Vend A Start Date), refer to *option 18*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
1. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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18. Special Vend A Start Date "+019"

This option allows the owner to set the date that Special Vend A will begin.

How to Program Special Vend A Start Date

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

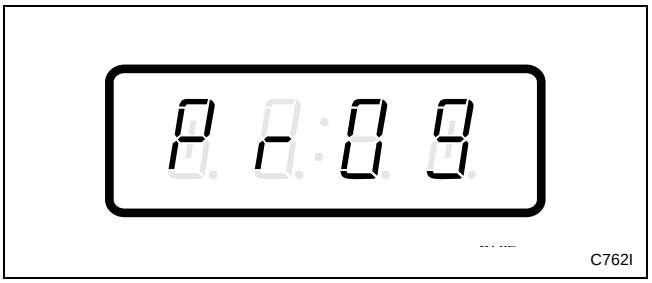


Figure 50

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+019" appears in the VFD. Refer to *Figure 51*.

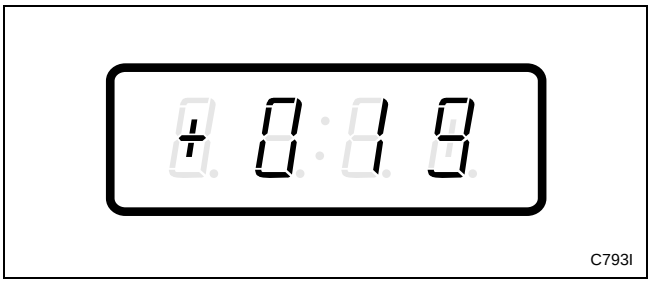
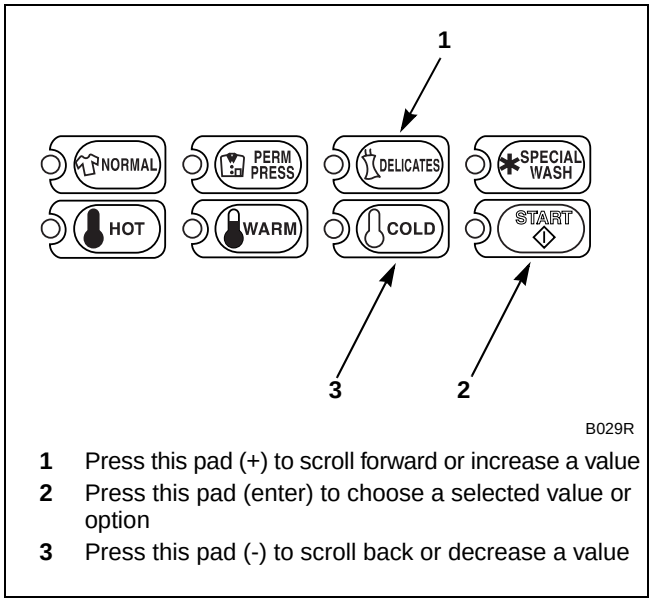


Figure 51

4. When "+019" appears in the VFD, press the START (enter) keypad. The current start date will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the start date to the desired date. Refer to *Figure 52*.

   If "0" is selected and Special Vend A is on, Special Vend A will occur at the time or days of week selected, regardless of the date.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 52

6. Press the START (enter) keypad when the correct date appears in the VFD. The next option, "+020", will appear in the VFD.

NOTE: To program "+020" (Special Vend A End Month), refer to *option 19*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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19. Special Vend A End Month "+020"

This option allows the owner to set the month that Special Vend A will end.

How to Program Special Vend A End Month

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

Figure 53

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+020" appears in the VFD. Refer to *Figure 54*.

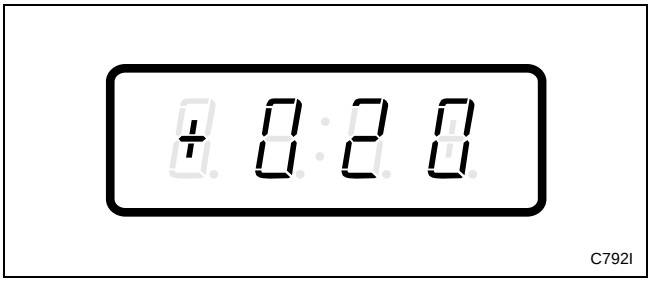
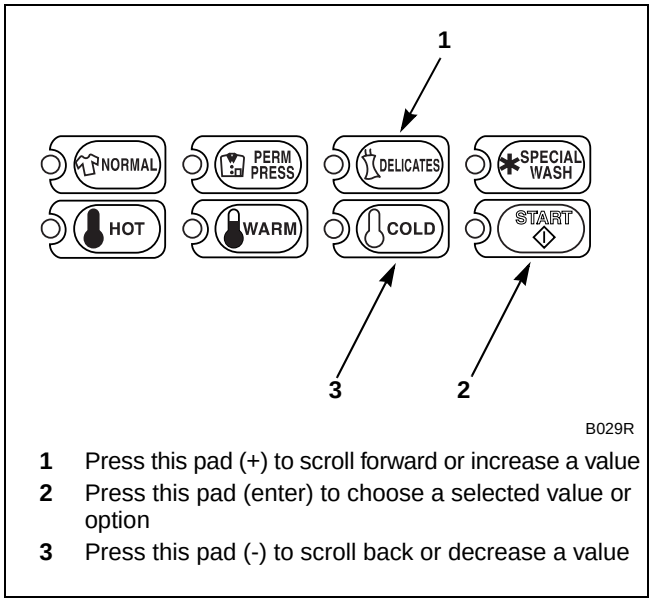


Figure 54

4. When "+020" appears in the VFD, press the START (enter) keypad. The current end month will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the end month to the desired month. Refer to *Figure 55*.

   If "0" is selected and Special Vend A is on, Special Vend A will occur at the time or day of week selected, regardless of the month.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 55

6. Press the START (enter) keypad when the correct month appears in the VFD. The next option, "+021", will appear in the VFD.

NOTE: To program "+021" (Special Vend A End Date), refer to *option 20*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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20. Special Vend A End Date “+021”

This option allows the owner to set the date that Special Vend A will end.

How to Program Special Vend A End Date

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

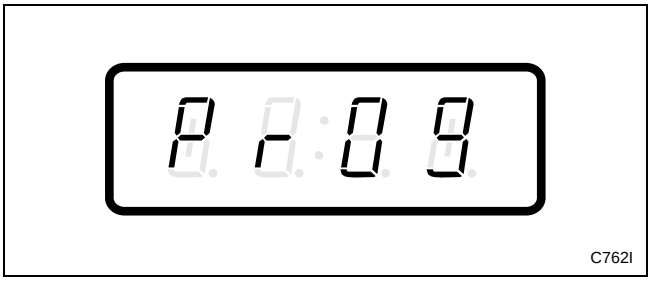


Figure 56

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+021” appears in the VFD. Refer to *Figure 57*.

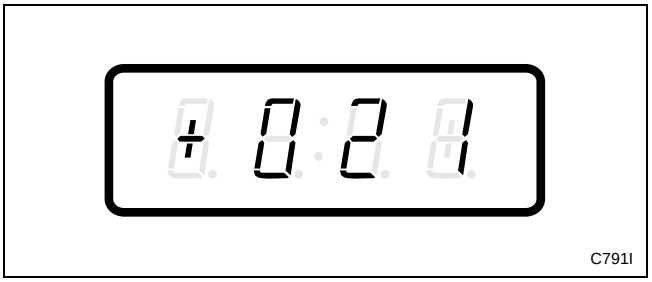
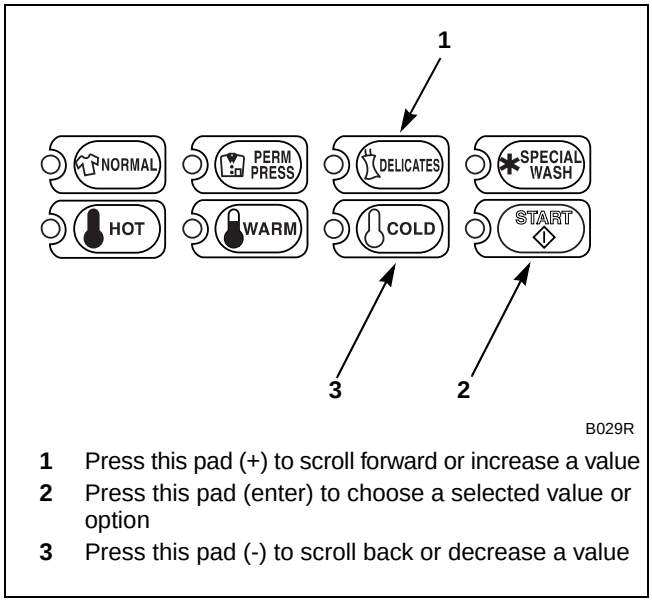


Figure 57

4. When “+021” appears in the VFD, press the START (enter) keypad. The current end date will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the end date to the desired date. Refer to *Figure 58*.

   If “0” is selected and Special Vend A is on, Special Vend A will occur at the time or days of week selected, regardless of the date.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 58

6. Press the START (enter) keypad when the correct date appears in the VFD. The next option, “+022”, will appear in the VFD.

NOTE: To program “+022” (Special Vend A Site Code #1), refer to *option 22* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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23. Special Vend A Regular Hot Wash Vend Price “+023”

This option allows the owner to set the vend price for a Hot Wash in all regular cycles (Normal, Permanent Press and Delicates) in Special Vend A.

How to Program Special Vend A Regular Hot Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

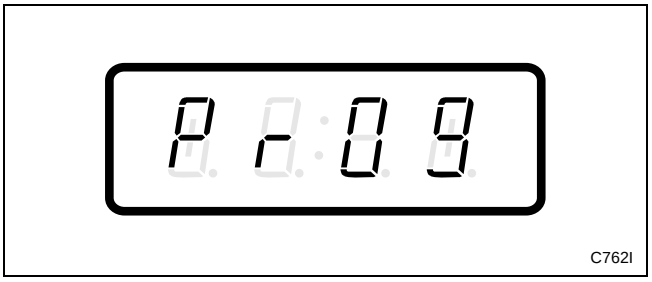


Figure 59

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+023” appears in the VFD. Refer to *Figure 60*.

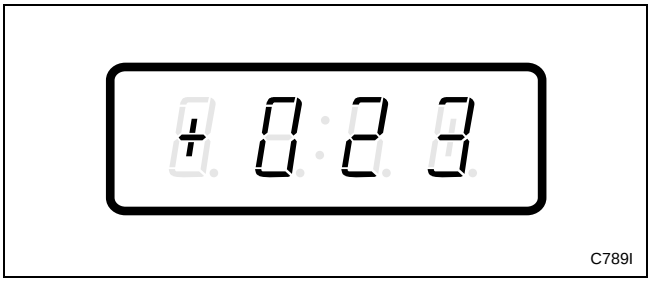


Figure 60

4. When “+023” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Regular Hot Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 61*.

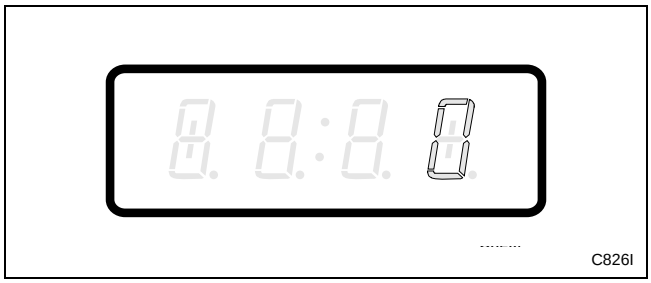
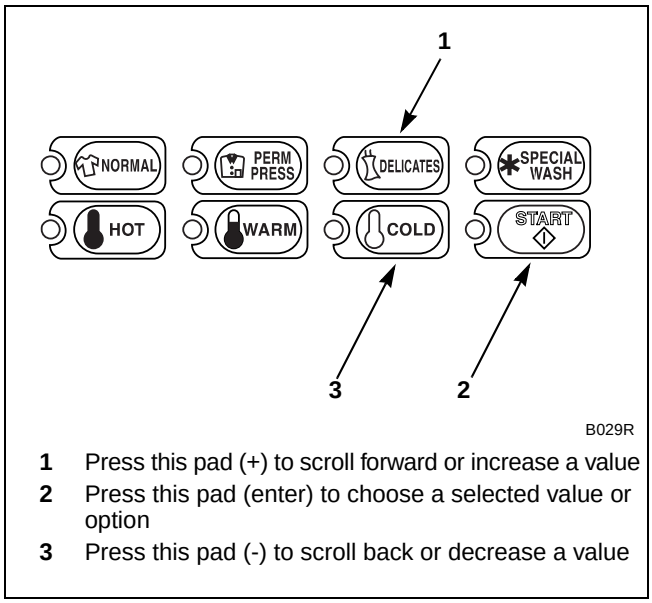


Figure 61

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 62*.

NOTE: The vend price can be set from 0 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 62

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 63*.

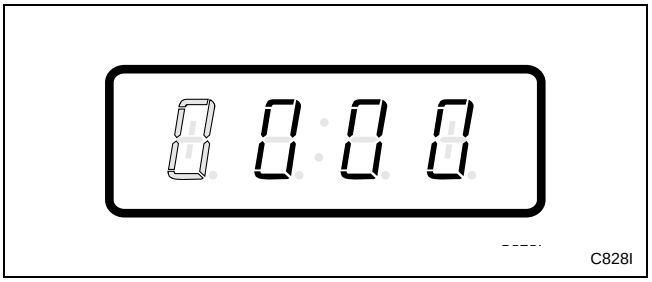

Figure 63

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+024", will appear in the VFD.

NOTE: To program "+024" (Special Vend A Regular Warm Wash Vend Price), refer to *option 24*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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24. Special Vend A Regular Warm Wash Vend Price “+024”

This option allows the owner to set the vend price for a Warm Wash in all regular cycles (Normal, Permanent Press and Delicates) in Special Vend A.

How to Program Special Vend A Regular Warm Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

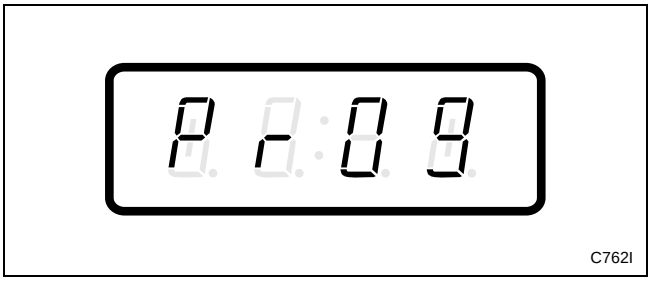


Figure 64

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+024” appears in the VFD. Refer to *Figure 65*.

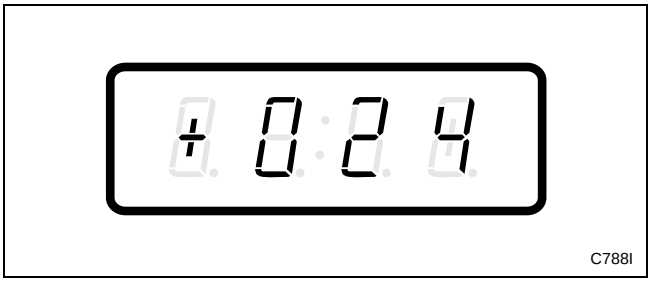


Figure 65

4. When “+024” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Regular Warm Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 66*.

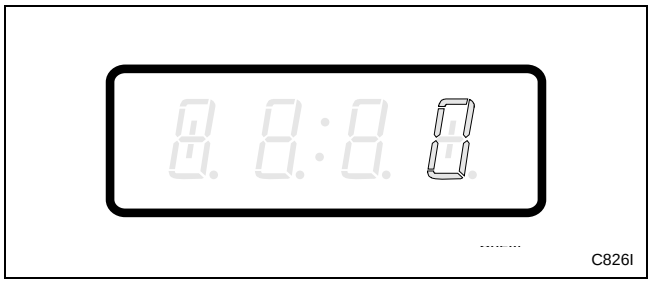
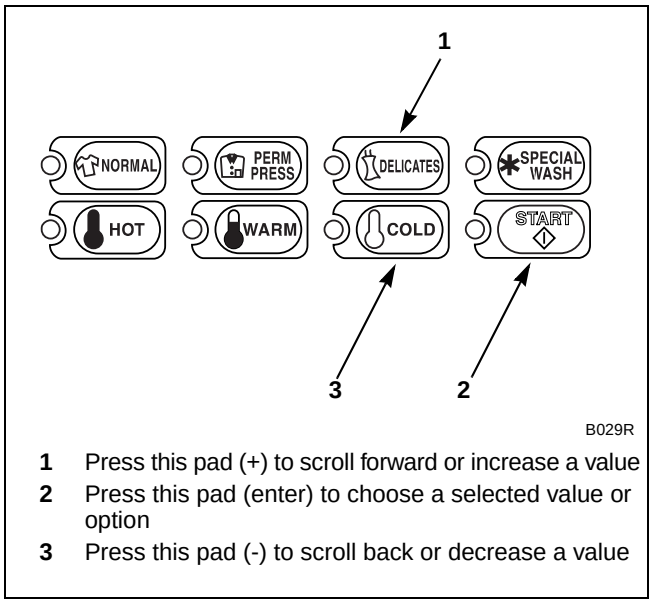


Figure 66

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 67*.

NOTE: The vend price can be set from 0 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 67

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 68*.

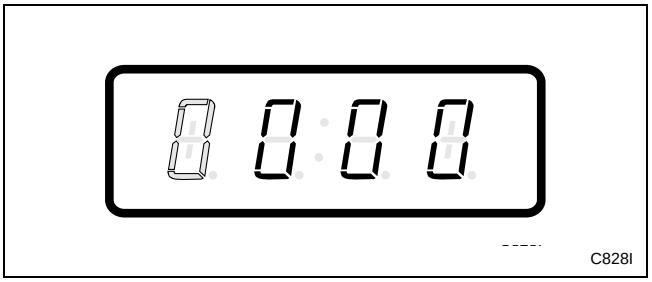

Figure 68

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+025", will appear in the VFD.

NOTE: To program "+025" (Special Vend A Regular Cold Wash Vend Price), refer to *option 25*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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25. Special Vend A Regular Cold Wash Vend Price “+025”

This option allows the owner to set the vend price for a Cold Wash in all regular cycles (Normal, Permanent Press and Delicates) in Special Vend A.

How to Program Special Vend A Regular Cold Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

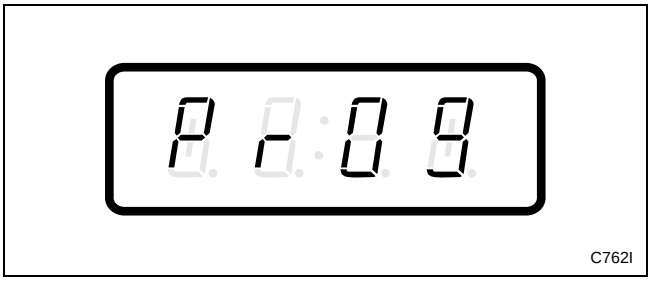


Figure 69

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+025” appears in the VFD. Refer to *Figure 70*.

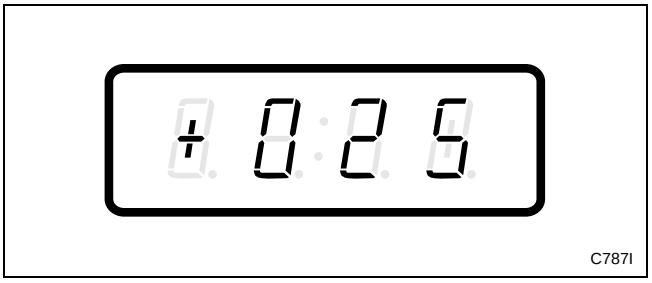


Figure 70

4. When “+025” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Regular Cold Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 71*.

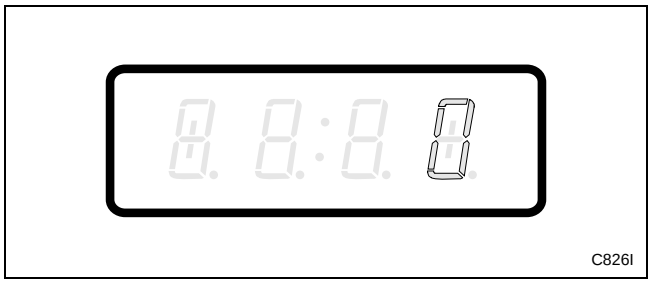
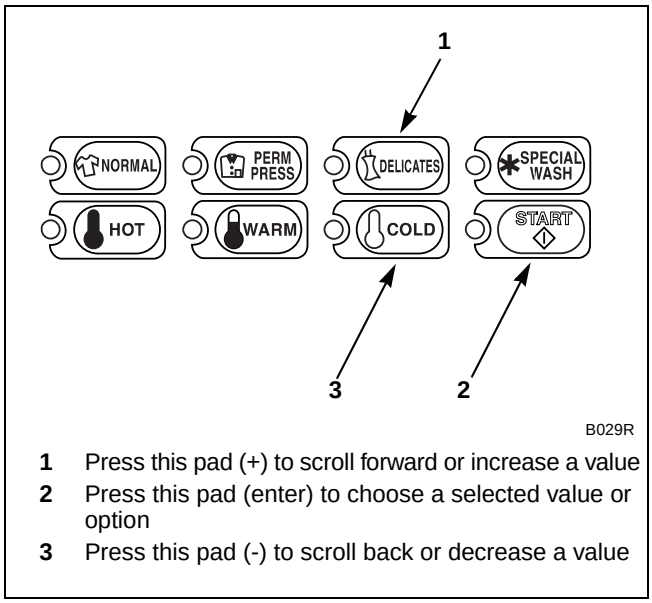


Figure 71

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 72*.

NOTE: The vend price can be set from 0 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 72

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 73*.

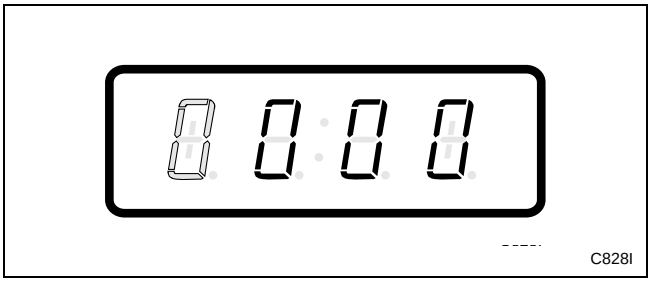

Figure 73

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+026", will appear in the VFD.

NOTE: To program "+026" (Special Vend A Special Wash Hot Wash Vend Price), refer to *option 26*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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26. Special Vend A Special Wash Hot Wash Vend Price “+026”

This option allows the owner to set the vend price for a Hot Wash in the Special Wash cycle in Special Vend A.

How to Program Special Vend A Special Wash Hot Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

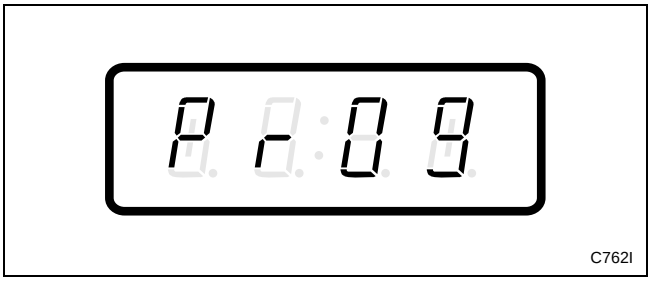


Figure 74

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+026” appears in the VFD. Refer to *Figure 75*.

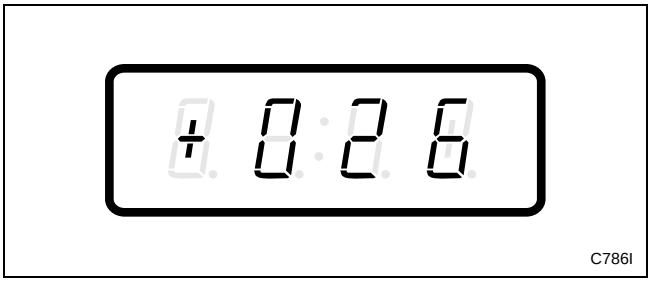


Figure 75

4. When “+026” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Special Wash Hot Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 76*.

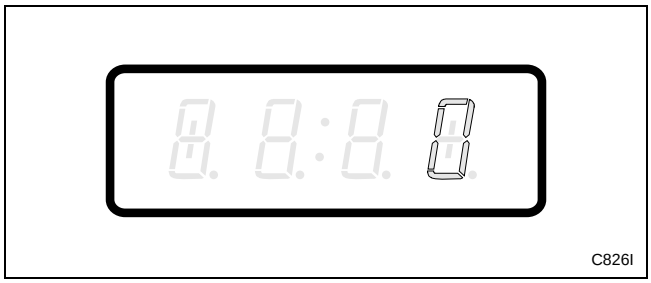
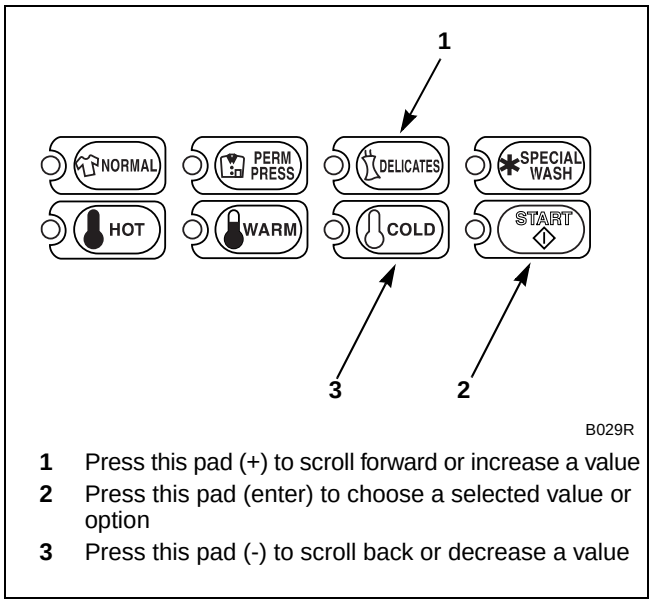


Figure 76

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 77*.

NOTE: The vend price can be set from 0 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 77

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 78*.

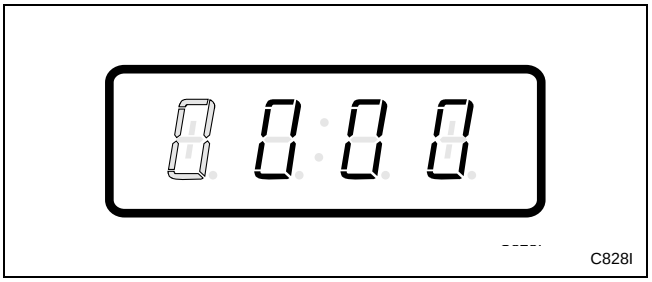

Figure 78

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+027", will appear in the VFD.

NOTE: To program "+027" (Special Vend A Special Wash Warm Wash Vend Price), refer to *option 27*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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27. Special Vend A Special Wash Warm Wash Vend Price “+027”

This option allows the owner to set the vend price for a Warm Wash in the Special Wash cycle in Special Vend A.

How to Program Special Vend A Special Wash Warm Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

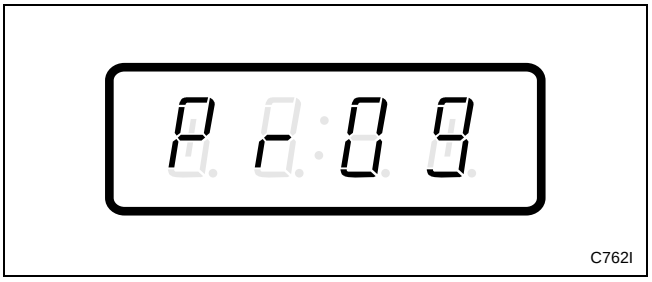


Figure 79

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+027” appears in the VFD. Refer to *Figure 80*.

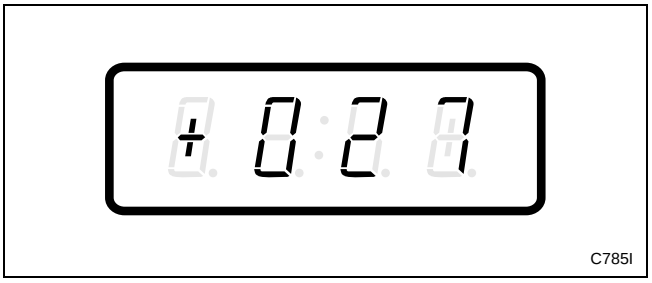


Figure 80

4. When “+027” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Special Wash Warm Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 81*.

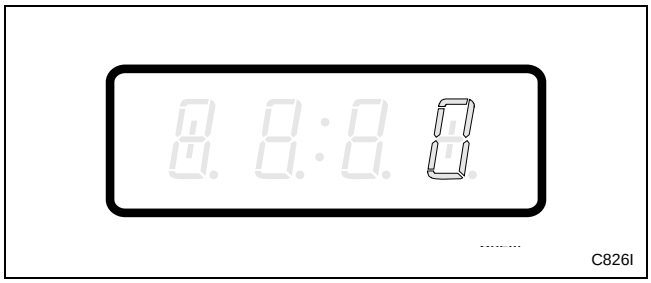
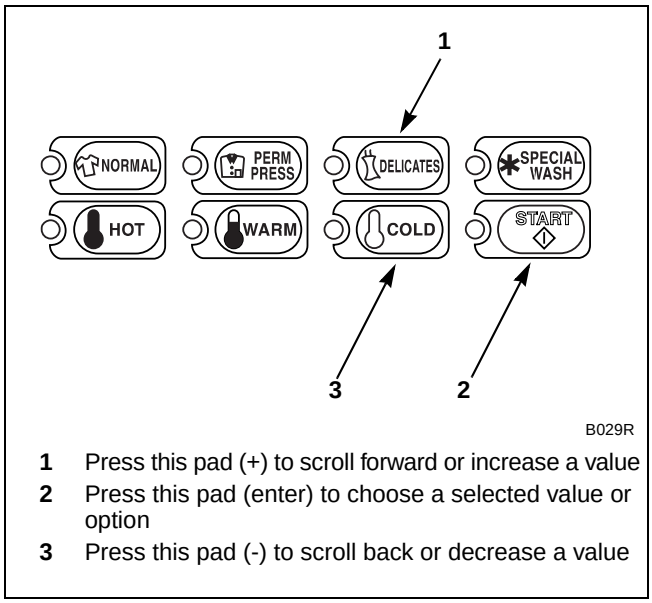


Figure 81

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 82*.

NOTE: The vend price can be set from 0 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 82

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 83*.

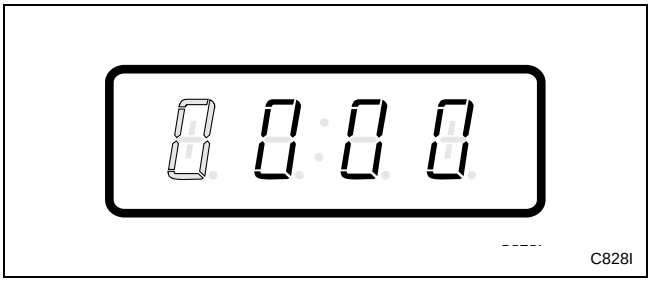

Figure 83

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+028", will appear in the VFD.

NOTE: To program "+028" (Special Vend A Special Wash Cold Wash Vend Price), refer to *option 28*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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28. Special Vend A Special Wash Cold Wash Vend Price “+028”

This option allows the owner to set the vend price for a Cold Wash in the Special Wash cycle in Special Vend A.

How to Program Special Vend A Special Wash Cold Wash Vend Price

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

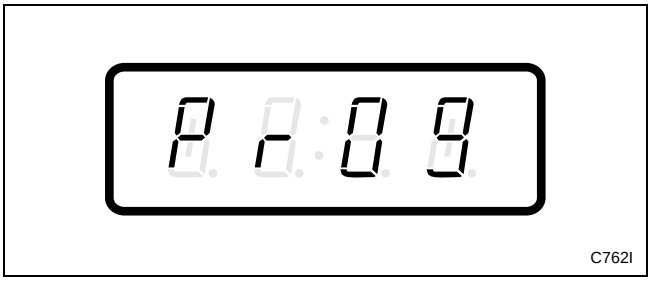


Figure 84

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+028” appears in the VFD. Refer to *Figure 85*.

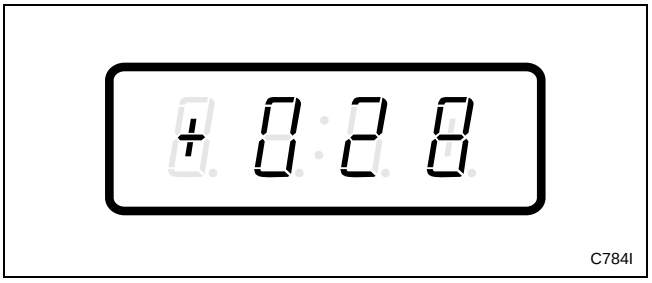


Figure 85

4. When “+028” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Special Wash Cold Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 86*.

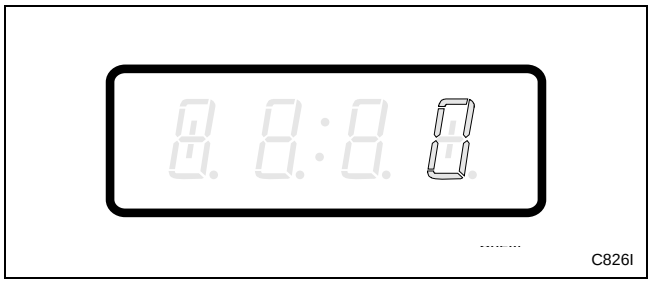
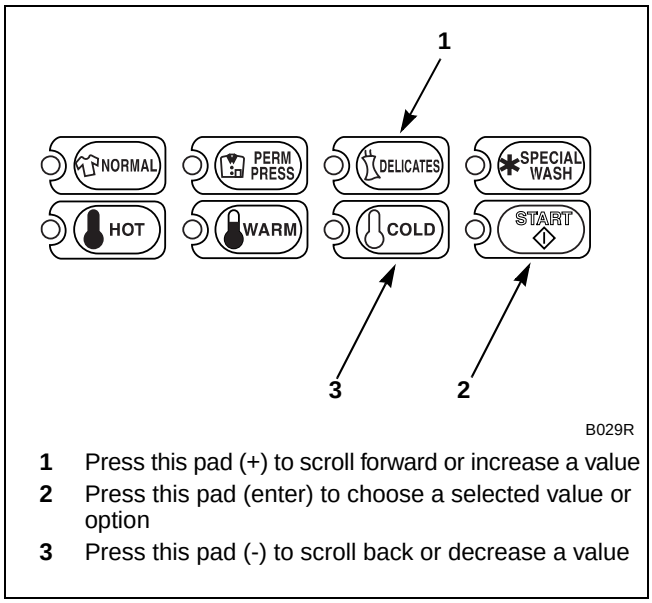


Figure 86

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 87*.

NOTE: The vend price can be set from 0 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 87

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 88*.

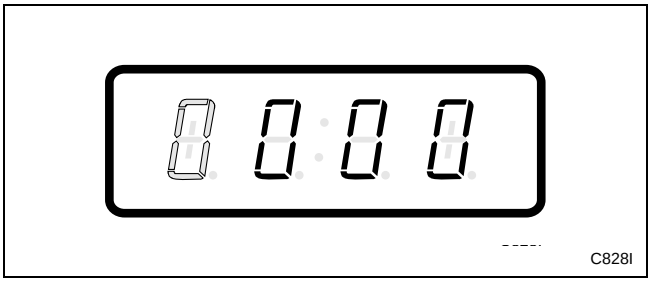

Figure 88

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+029", will appear in the VFD.

NOTE: To program "+029" (Special Vend A Auto-Shutdown Enable), refer to *option 29*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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29. Special Vend A Auto-Shutdown Enable “+029”

This option, when turned on, will force the control to shutdown during the Programmed Special Vend A time period, preventing customers from starting a new cycle after a selected time. “OFF” is displayed on the VFD when Auto-Shutdown is active.

How to Program Special Vend A Auto-Shutdown Enable

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

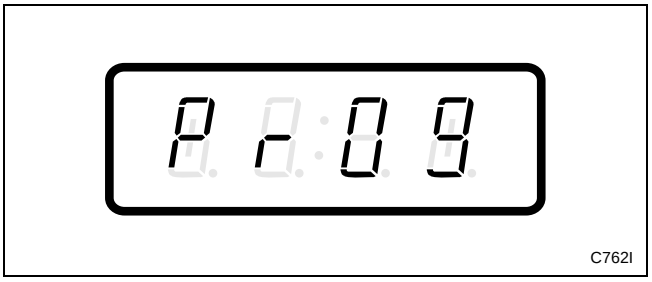
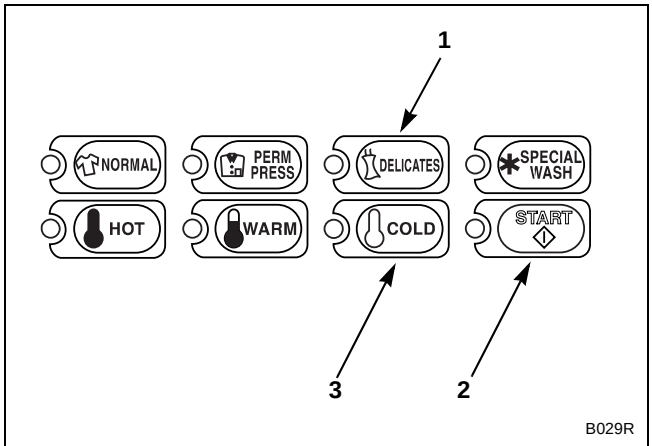


Figure 89

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+029” appears in the VFD. Refer to *Figure 90*.

Figure 90

4. When “+029” appears in the VFD, press the START (enter) keypad. The current Special Vend A Auto-Shutdown Enable parameter value will appear in the VFD. “0” will be displayed when Auto-Shutdown is disabled and “255” will be displayed when Auto-Shutdown is enabled.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current value displayed in the VFD to the desired value. Refer to *Figure 91*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 91

6. Press the START (enter) keypad when the correct value appears in the VFD. The next option, “+030”, will appear in the VFD.

NOTE: To program “+030” (Coin #1 Value), refer to *option 30*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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30. Coin #1 Value “+030”

This option allows the owner to set a specific numerical value for a coin entered. For example, in the United States, the coin value for one quarter would be measured in cents (25). Therefore, the coin value entered for one quarter would be 00025.

If the Regular Hot Wash Vend Price (*option 2*) is set for “.75”, and the Coin Value is set for “00025”, the vend price displayed will decrease by .25 for each coin entered.

How to Program Coin #1 Value

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 92

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+030” appears in the VFD. Refer to *Figure 93*.

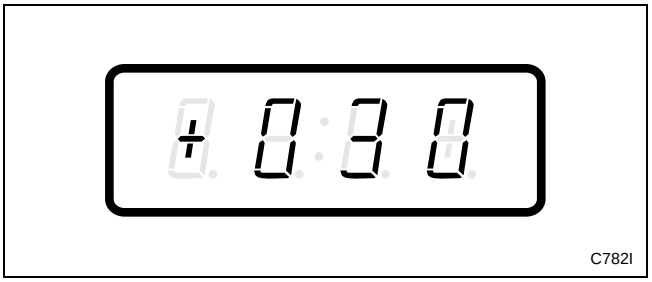


Figure 93

4. When “+030” appears in the VFD, press the START (enter) keypad.There are five digits in the Coin #1 Value. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 94*.

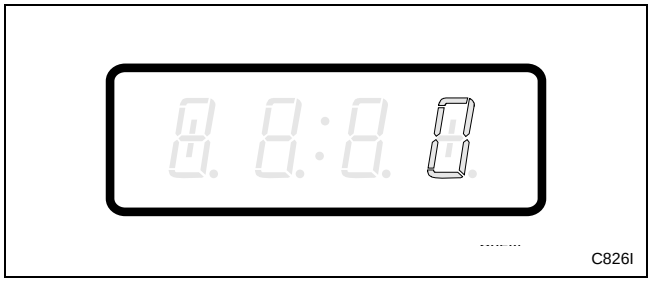
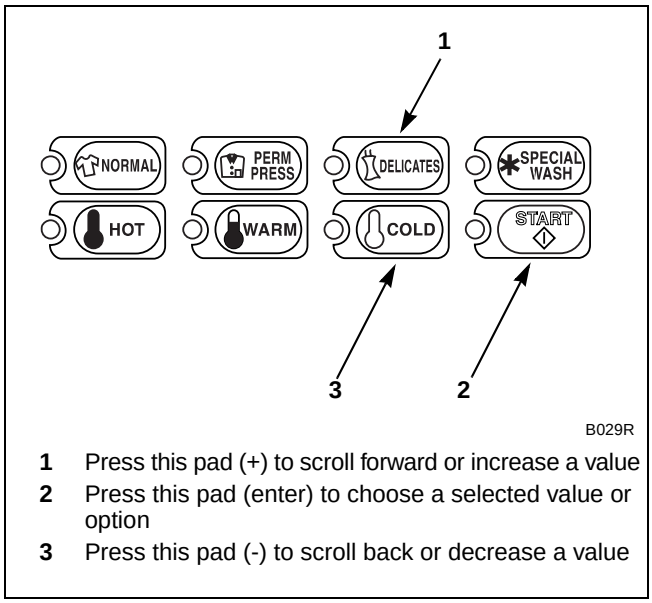


Figure 94

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 95*.

NOTE: The coin value can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 95

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 96*.

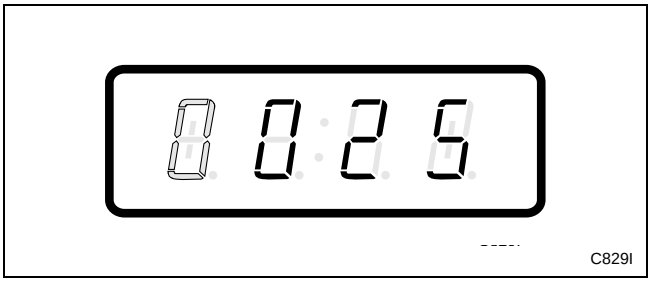

Figure 96

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+031", will appear in the VFD.

NOTE: To program "+031" (Coin #2 Value), refer to *option 31*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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31. Coin #2 Value “+031”

This option allows the owner to set a specific numerical value for a coin entered when using the dual coin drop. For example, the coin value for a dollar coin would be measured in cents (1.00). Therefore, the coin value entered for one dollar coin would be 00100.

If the Regular Hot Wash Vend Price (*option 2*) is set for “2.00”, and the Coin Value is set for “00100”, the vend price displayed will decrease by 1.00 for each dollar coin entered.

How to Program Coin #2 Value

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 97

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+031” appears in the VFD. Refer to *Figure 98*.

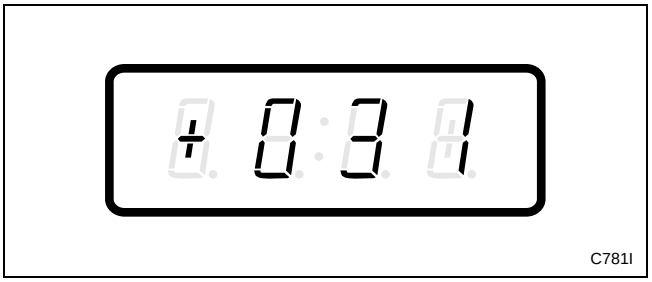


Figure 98

4. When “+031” appears in the VFD, press the START (enter) keypad. There are five digits in the Coin #2 Value. The fifth digit will appear in the VFD and will flash one second on and one second off. Refer to *Figure 99*.

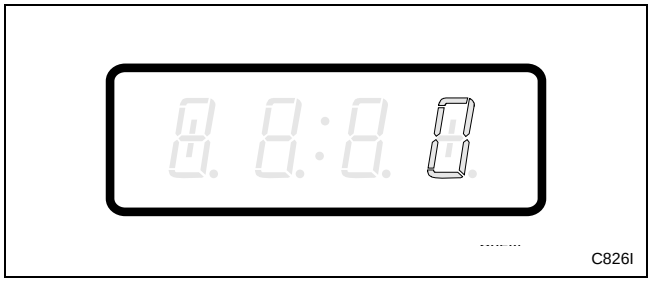
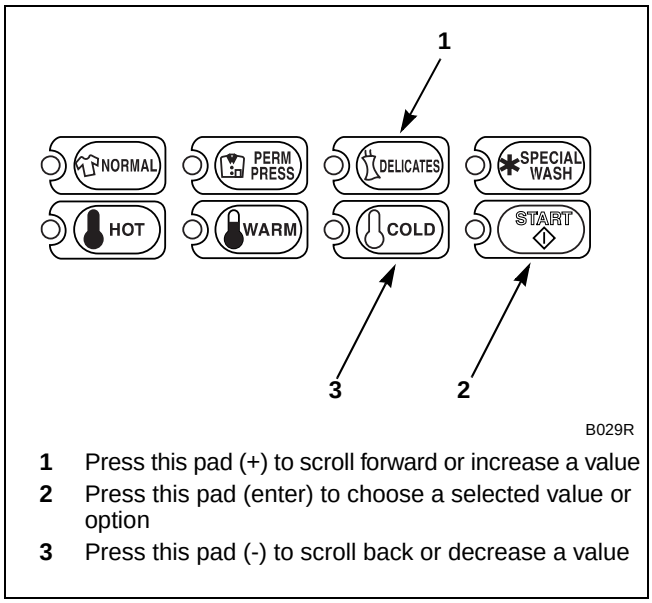


Figure 99

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 100*.

NOTE: The coin value can be set from 1 to 65,535.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 100

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6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 101*.

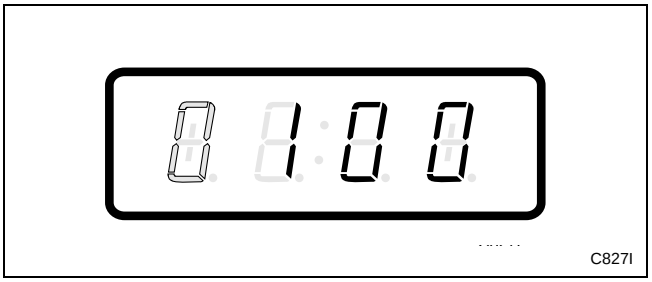

Figure 101

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, "+032", will appear in the VFD.

NOTE: To program "+032" (Start Pulse Value), refer to *option 32* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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33. Default Cycle/Temperature “+033”

This option allows the owner to set the default cycle and temperature the machine will enter when in the Ready Mode. When programming the default cycle, refer to *Table 4* on the following page.

How to Program Default Cycle/Temperature

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

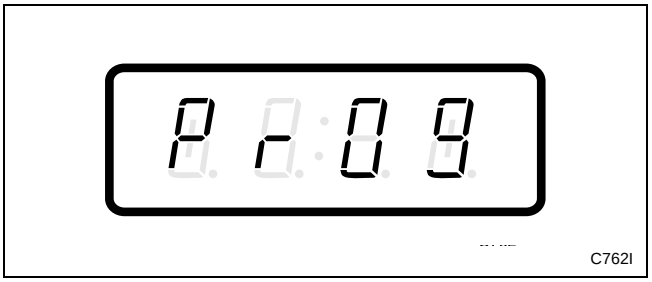


Figure 102

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+033” appears in the VFD. Refer to *Figure 103*.

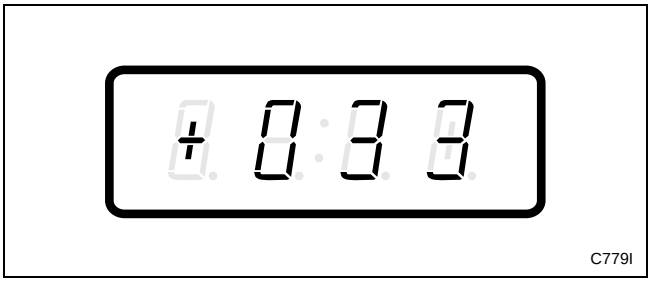
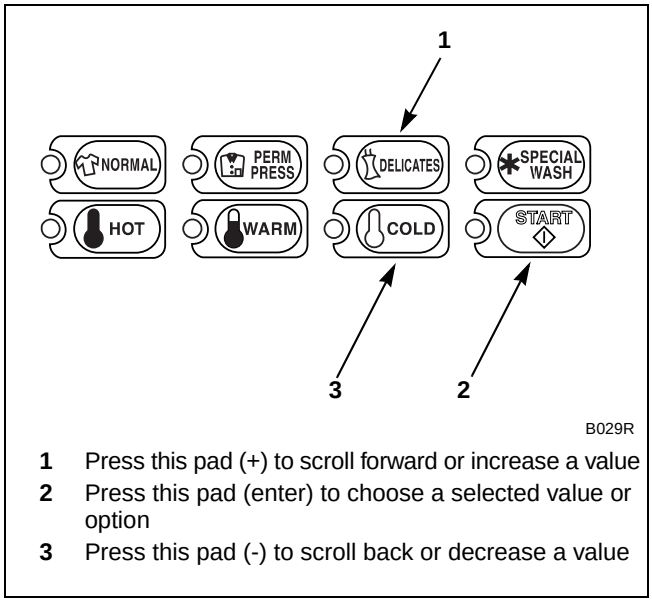


Figure 103

4. When “+033” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current default cycle value.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number to the desired number selected from *Table 4* on the following page. Refer to *Figure 104*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 104

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+034”, will appear in the VFD.

NOTE: To program “+034” (Power Fail Reset), refer to *option 34* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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How to Read *Table 4*

Refer to *Table 4* to determine the correct number required to program Default Cycle/Temperature. The Default Value column contains the number required in step 5. The other columns correspond to individual options.

Each column of options contains a unique combination of the words ON and OFF that indicates if that column's option is turned on or off when the Default Value is entered. Select the desired combination of options and enter the number found in the Default Value column.

"+033"							
Default Value	**Normal Cycle**	**Perm Press Cycle**	**Delicates Cycle**	**Special Wash Cycle**	**Hot Wash**	**Warm Wash**	**Cold Wash**
9	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**
17	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**
33	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**
65	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**
10	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF
18	OFF	OFF	**ON**	OFF	OFF	**ON**	OFF
34	OFF	**ON**	OFF	OFF	OFF	**ON**	OFF
66	**ON**	OFF	OFF	OFF	OFF	**ON**	OFF
12	OFF	OFF	OFF	**ON**	**ON**	OFF	OFF
20	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF
36	OFF	**ON**	OFF	OFF	**ON**	OFF	OFF
68	**ON**	OFF	OFF	OFF	**ON**	OFF	OFF

Table 4

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35. Set Real-Time Clock Minutes “+035”

This option allows the owner to set NetMaster’s internal clock to the correct time in minutes.

How to Program the Clock Minutes

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

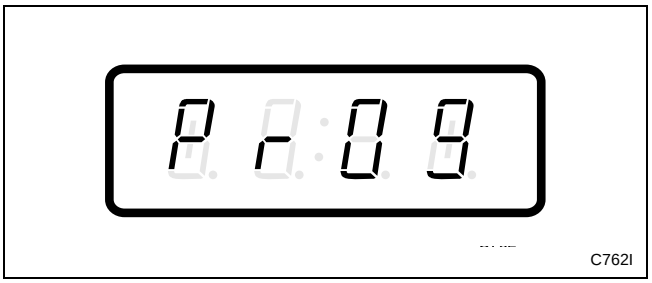


Figure 105

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+035” appears in the VFD. Refer to *Figure 106*.

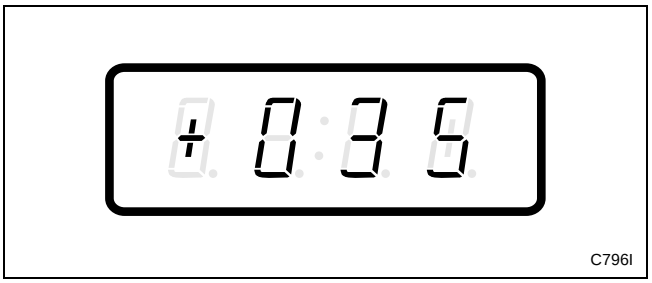
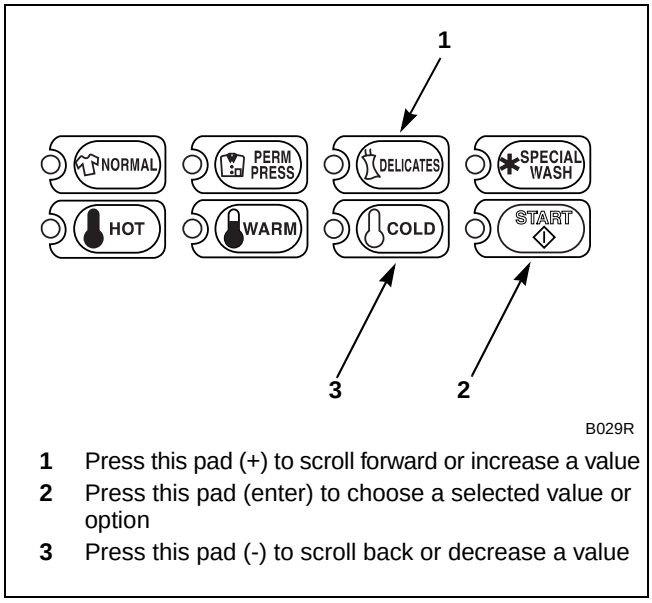


Figure 106

4. When “+035” appears in the VFD, press the START (enter) keypad. The current time in minutes will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the minutes to the correct time. Refer to *Figure 107*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 107

6. Press the START (enter) keypad when the correct time in minutes appears in the VFD. The next option, “+036”, will appear in the VFD.

NOTE: To program “+036” (Set Real-Time Clock Hours), refer to *option 36*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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36. Set Real-Time Clock Hours “+036”

This option allows the owner to set NetMaster’s internal clock to the correct time in hours.

How to Program the Clock Hours

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

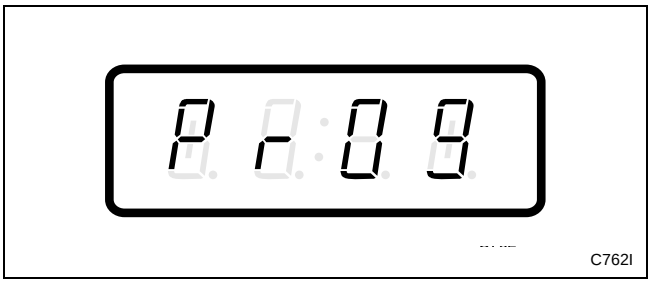


Figure 108

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+036” appears in the VFD. Refer to *Figure 109*.

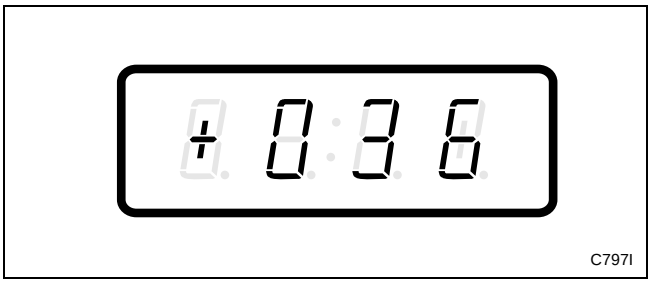
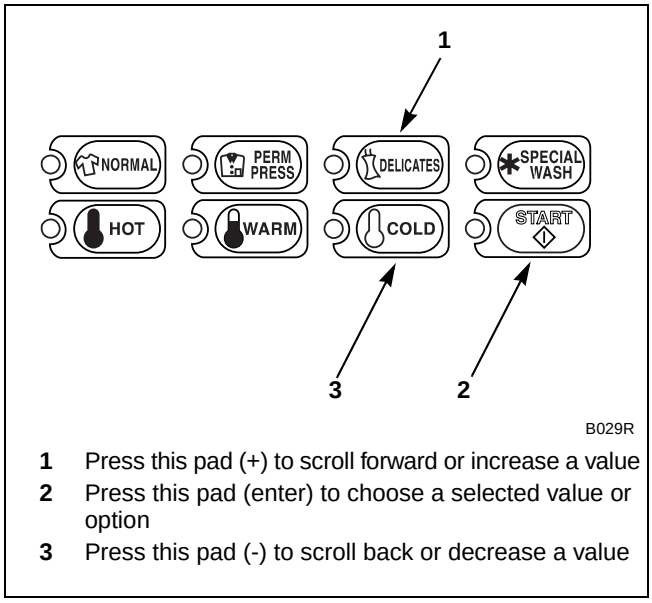


Figure 109

4. When “+036” appears in the VFD, press the START (enter) keypad. The current time in hours will appear in the VFD.

NOTE: The hours will be displayed in military time.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the hours to the correct time. Refer to *Figure 110*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 110

6. Press the START (enter) keypad when the correct time in hours appears in the VFD. The next option, “+037”, will appear in the VFD.

NOTE: To program “+037” (Set Real-Time Clock Day), refer to *option 37*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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37. Set Real-Time Clock Day “+037”

This option allows the owner to set NetMaster’s internal clock to the correct day of the week.

How to Program the Clock Day

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

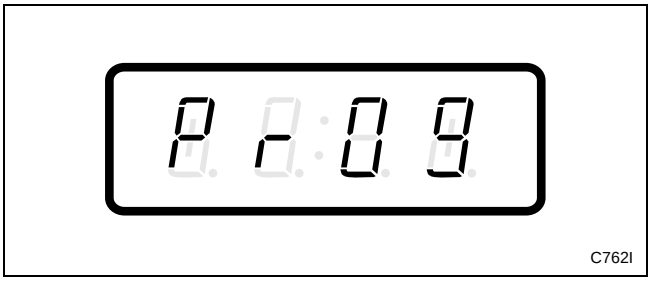


Figure 111

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+037” appears in the VFD. Refer to *Figure 112*.

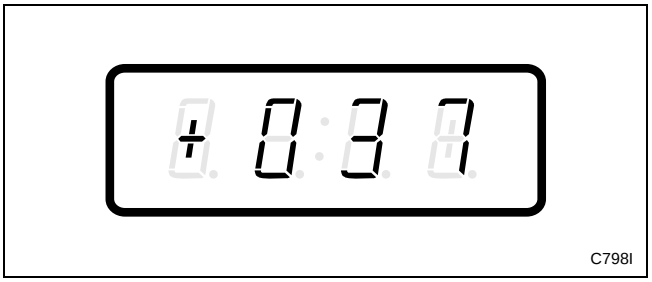
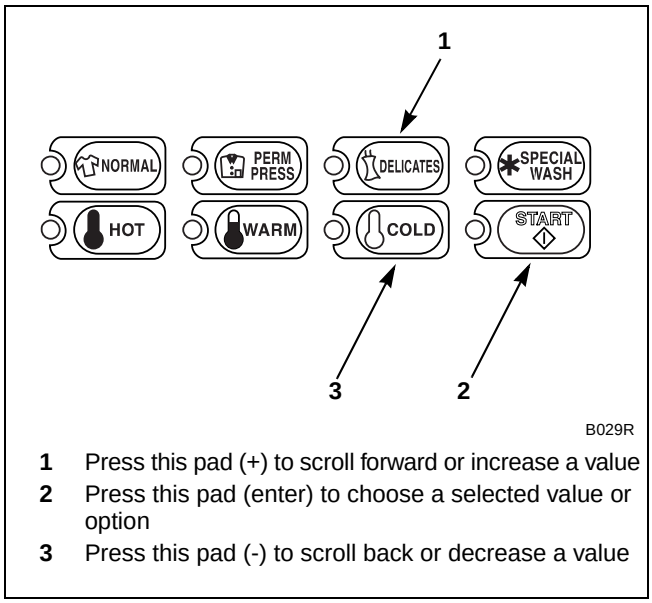


Figure 112

4. When “+037” appears in the VFD, press the START (enter) keypad. The current day of the week will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the day until correct. Refer to *Figure 113*.

NOTE: Sunday is considered day one (001), Monday is day two (002) and so on.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 113

6. Press the START (enter) keypad when the correct day appears in the VFD. The next option, “+038”, will appear in the VFD.

NOTE: To program “+038” (Set Real-Time Clock Date), refer to *option 38*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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38. Set Real-Time Clock Date “+038”

This option allows the owner to set NetMaster’s internal clock to the correct day of the month.

How to Program the Clock Date

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

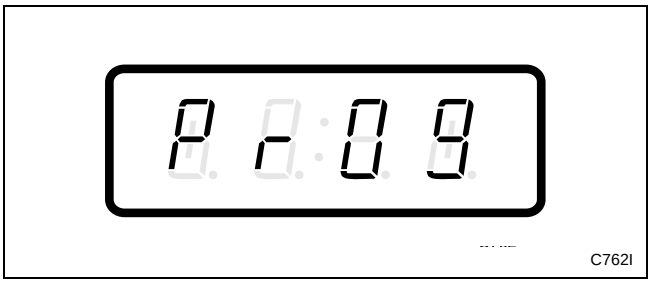


Figure 114

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+038” appears in the VFD. Refer to *Figure 115*.

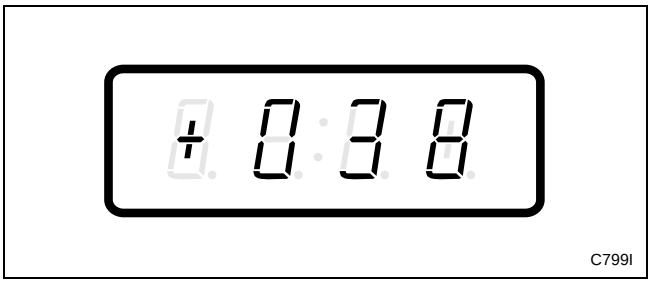
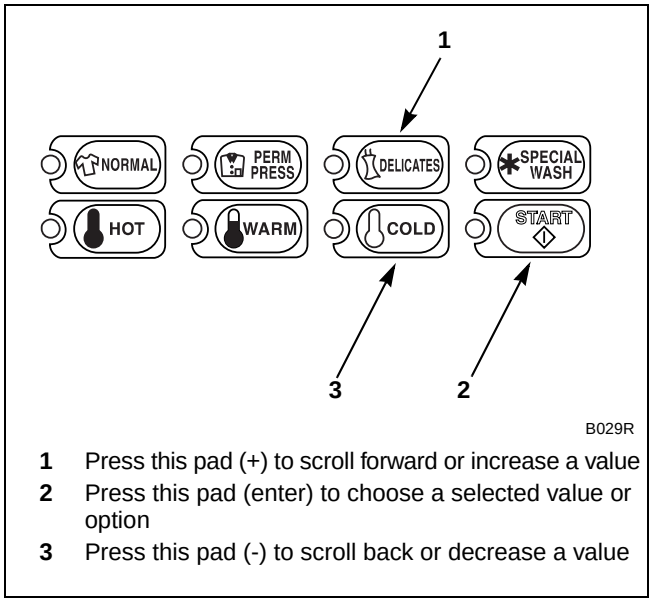


Figure 115

4. When “+038” appears in the VFD, press the START (enter) keypad. The current day of the month will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the day of the month until correct. Refer to *Figure 116*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 116

6. Press the START (enter) keypad when the correct day of the month appears in the VFD. The next option, “+039”, will appear in the VFD.

NOTE: To program “+039” (Set Real-Time Clock Month), refer to *option 39*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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39. Set Real-Time Clock Month “+039”

This option allows the owner to set NetMaster’s internal clock to the correct month.

How to Program the Clock Month

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

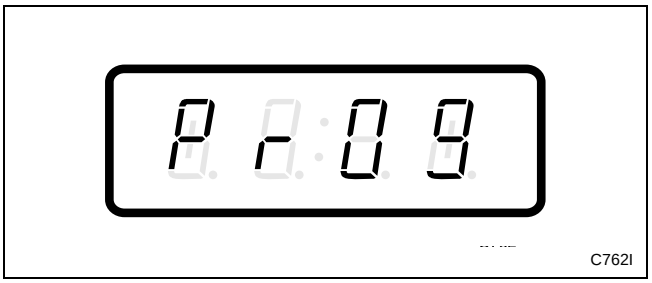


Figure 117

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+039” appears in the VFD. Refer to *Figure 118*.

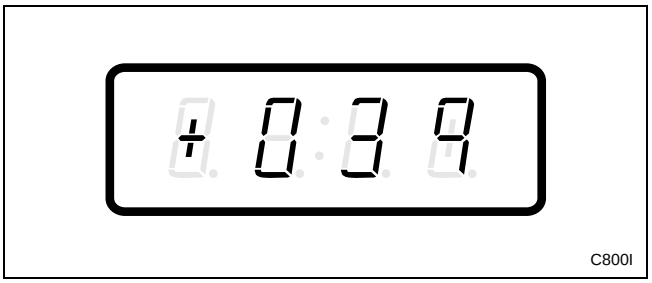
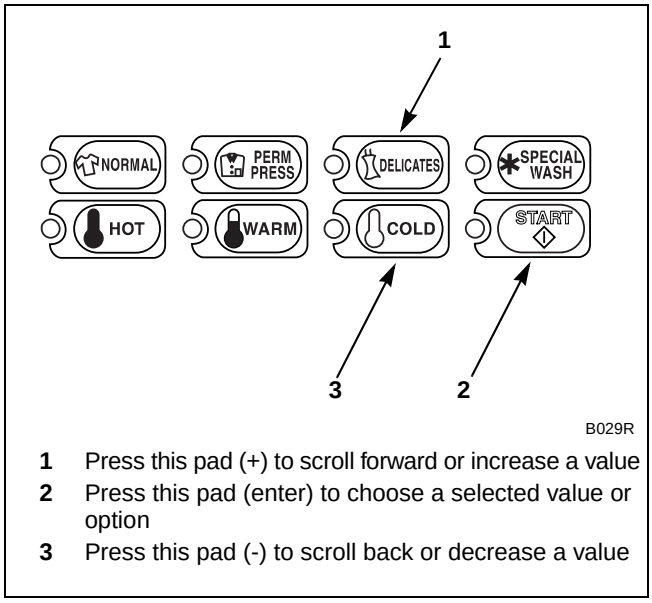


Figure 118

4. When “+039” appears in the VFD, press the START (enter) keypad. The current month will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the month until correct. Refer to *Figure 119*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 119

6. Press the START (enter) keypad when the correct month appears in the VFD. The next option, “+040”, will appear in the VFD.

NOTE: To program “+040” (Set Real-Time Clock Year), refer to *option 40*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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40. Set Real-Time Clock Year “+040”

This option allows the owner to set NetMaster’s internal clock to the correct year.

How to Program the Clock Year

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

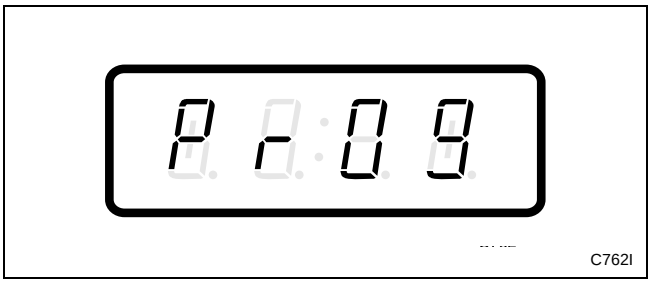


Figure 120

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+040” appears in the VFD. Refer to *Figure 121*.

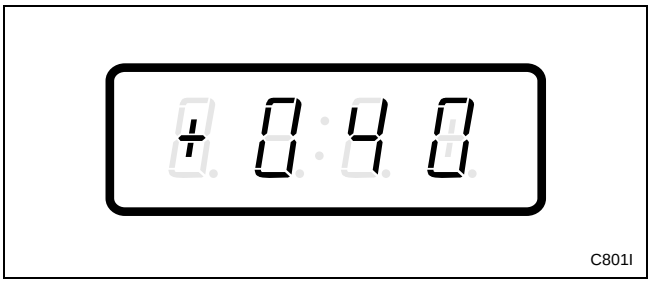
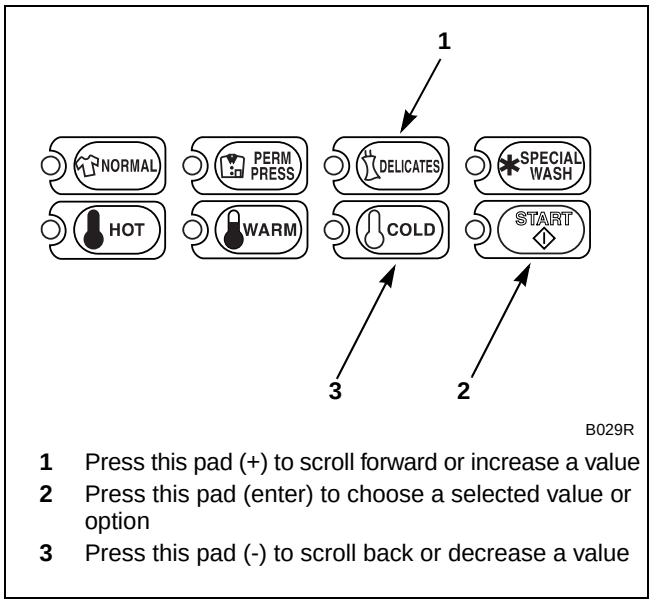


Figure 121

4. When “+040” appears in the VFD, press the START (enter) keypad. The current year will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the year until correct. Refer to *Figure 122*.

NOTE: The year 2000 is “00”, the year 2001 is “01” and so on.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 122

6. Press the START (enter) keypad when the correct year appears in the VFD. The next option, “+041”, will appear in the VFD.

NOTE: To program “+041” (Set Real-Time Clock Century), refer to *option 41*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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41. Set Real-Time Clock Century "+041"

This option allows the owner to set NetMaster's internal clock to the correct century.

How to Program the Clock Century

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

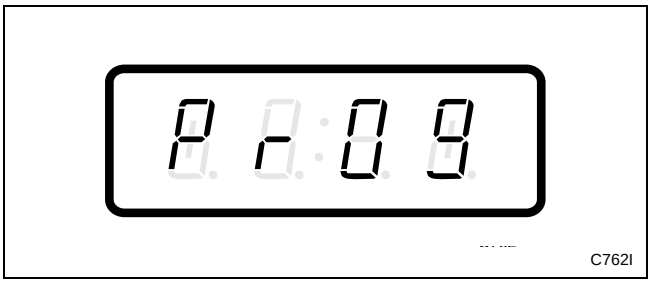


Figure 123

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+041" appears in the VFD. Refer to *Figure 124*.

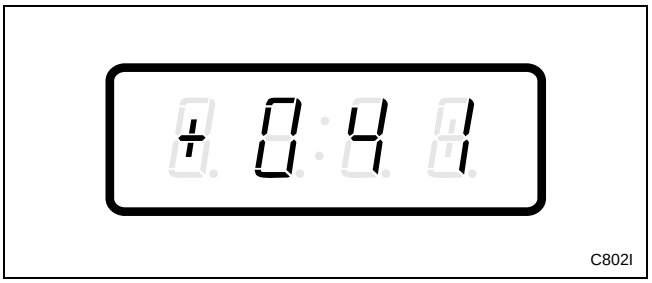
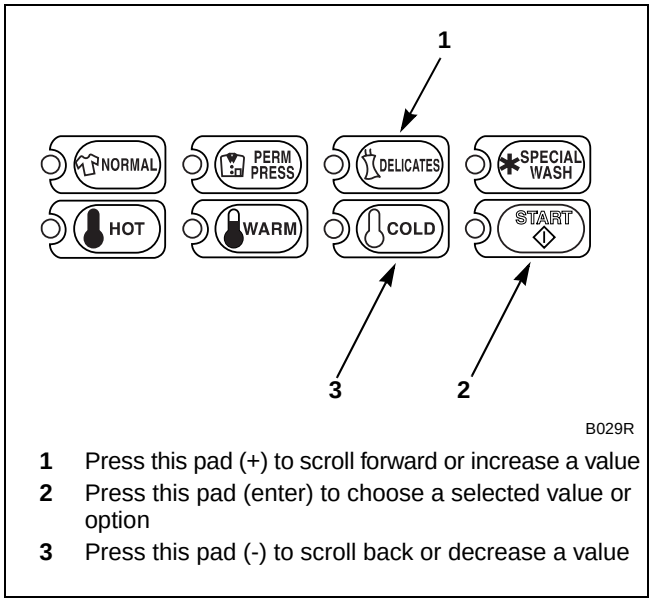


Figure 124

4. When "+041" appears in the VFD, press the START (enter) keypad. The current century will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the century until correct. Refer to *Figure 125*.

NOTE: The digits "20" are used for century.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 125

6. Press the START (enter) keypad when the correct century appears in the VFD. The next option, "+042", will appear in the VFD.

NOTE: To program "+042" (Normal PreWash #1 Fill/Tumble Time), refer to *option 42*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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42. Normal PreWash #1 Fill/Tumble Time “+042”

This option allows the owner to set the amount of time for PreWash #1 during fill and tumble of the Normal cycle.

How to Program Normal PreWash #1 Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

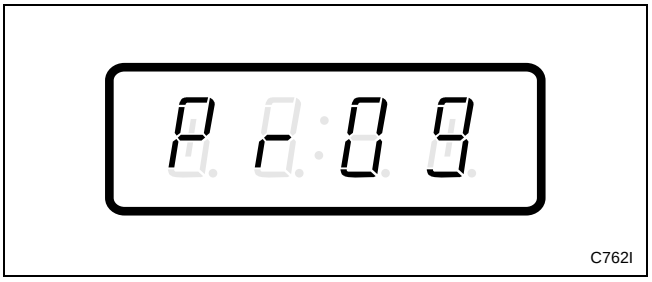


Figure 126

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+042” appears in the VFD. Refer to *Figure 127*.

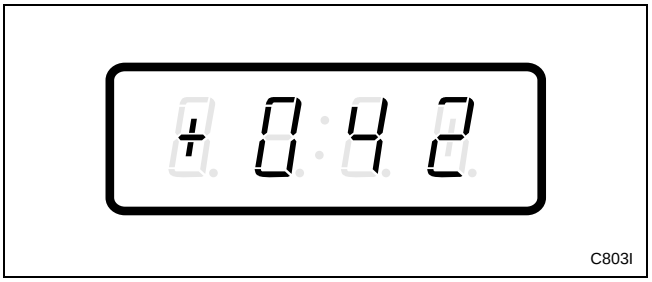
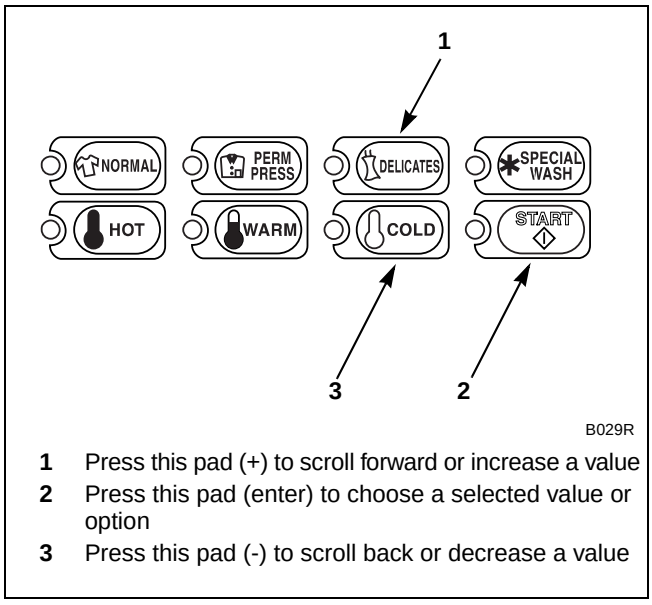


Figure 127

4. When “+042” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal PreWash #1 Fill/ Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 128*.

NOTE: The Normal PreWash #1 Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 128

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+043”, will appear in the VFD.

NOTE: To program “+043” (Normal PreWash #2 Fill/Tumble Time), refer to *option 43* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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44. Normal Wash Fill/Tumble Time "+044"

This option allows the owner to set the amount of wash fill/tumble time for the Normal cycle.

How to Program Normal Wash Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

Figure 129

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+044" appears in the VFD. Refer to *Figure 130*.

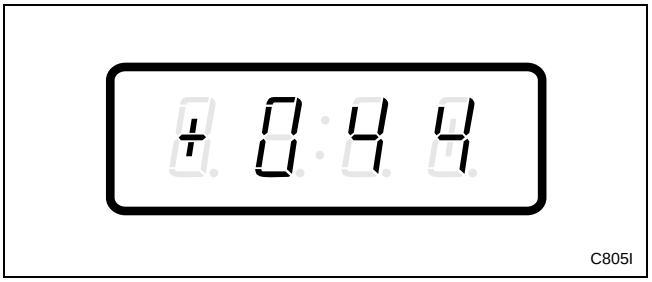
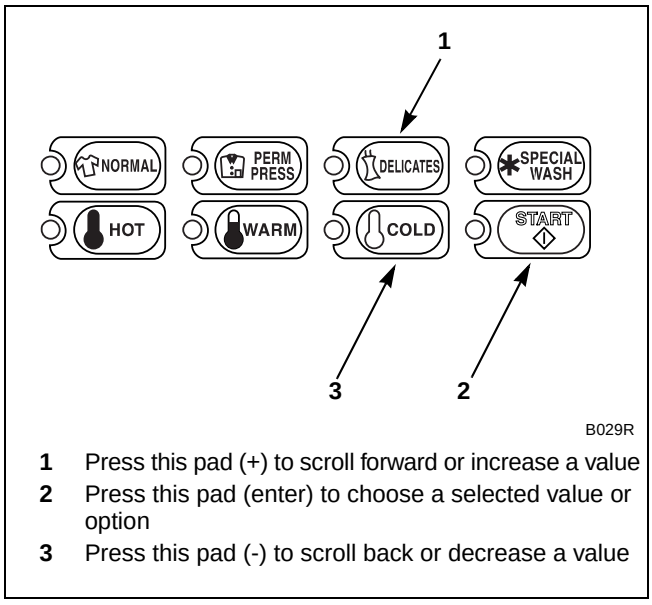


Figure 130

4. When "+044" appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Wash Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 131*.

NOTE: The Normal Wash Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 131

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, "+045", will appear in the VFD.

NOTE: To program "+045" (Normal Rinse #1 Fill/Tumble Time), refer to *option 45*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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45. Normal Rinse #1 Fill/Tumble Time “+045”

This option allows the owner to set the amount of rinse #1 fill/tumble time for the Normal cycle.

How to Program Normal Rinse #1 Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 132

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+045” appears in the VFD. Refer to *Figure 133*.

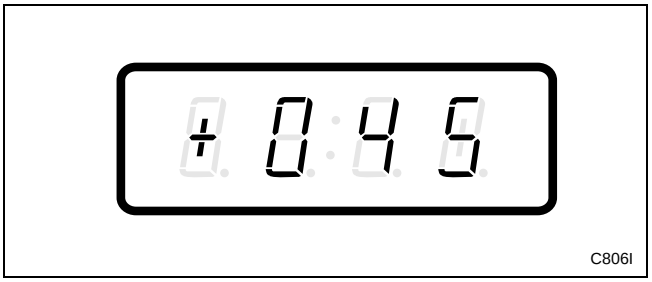
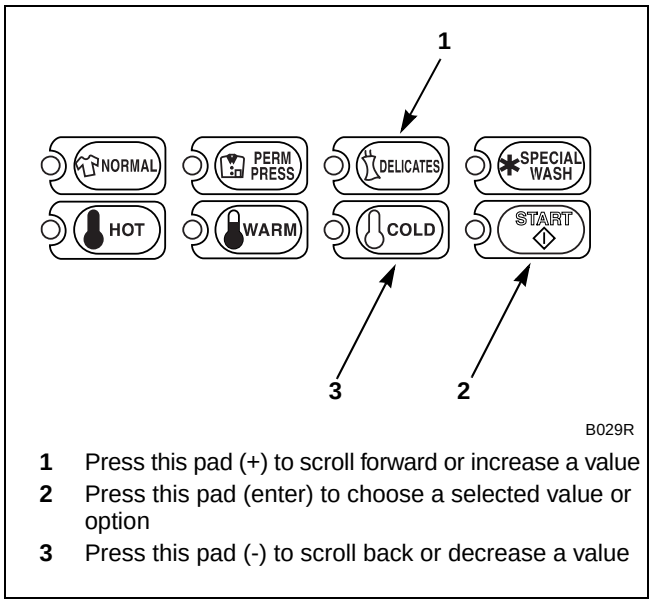


Figure 133

4. When “+045” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Rinse #1 Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 134*.

NOTE: The Normal Rinse #1 Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 134

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+046”, will appear in the VFD.

NOTE: To program “+046” (Normal Rinse Extra Fill/Tumble Time), refer to *option 46* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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47. Normal Rinse Final Fill/Tumble Time “+047”

This option allows the owner to set the amount of time for a final rinse fill/tumble time for the Normal cycle.

How to Program Normal Rinse Final Fill/ Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 135

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+047” appears in the VFD. Refer to *Figure 136*.

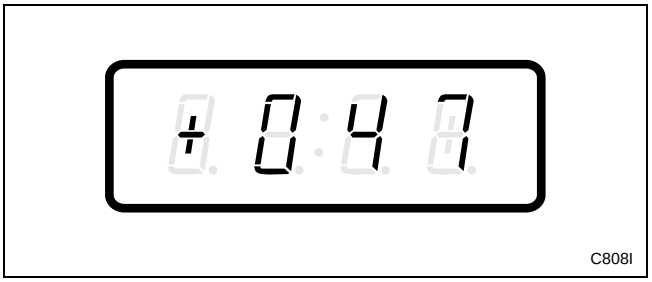
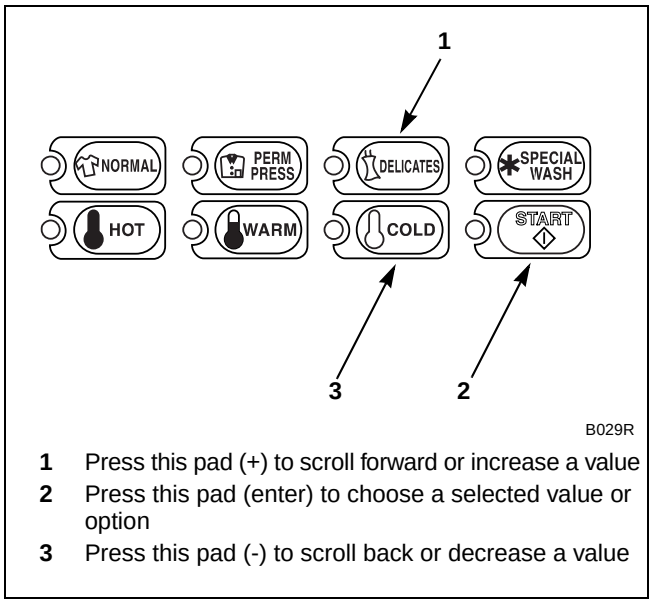


Figure 136

4. When “+047” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Rinse Final Fill/ Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 137*.

NOTE: The Normal Rinse Final Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 137

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+048”, will appear in the VFD.

NOTE: To program “+048” (Normal Spin Extract Time), refer to *option 48*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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48. Normal Spin Extract Time “+048”

This option allows the owner to set the amount of time for extraction during the Normal cycle.

How to Program Normal Spin Extract Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

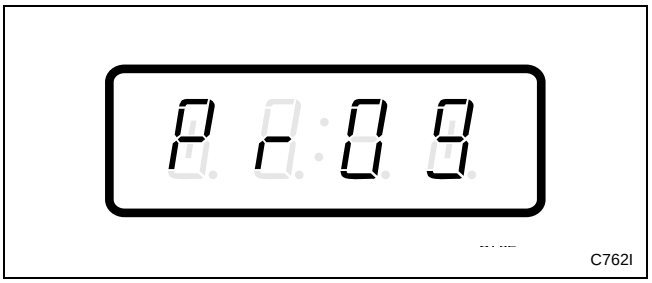


Figure 138

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+048” appears in the VFD. Refer to *Figure 139*.

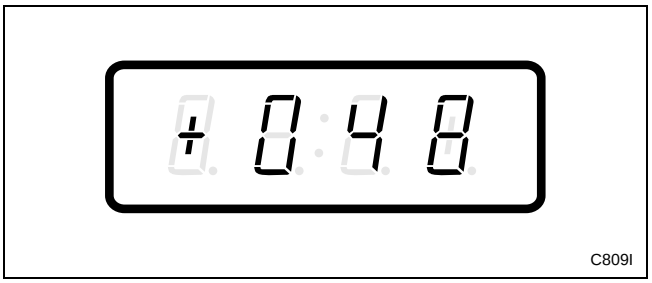
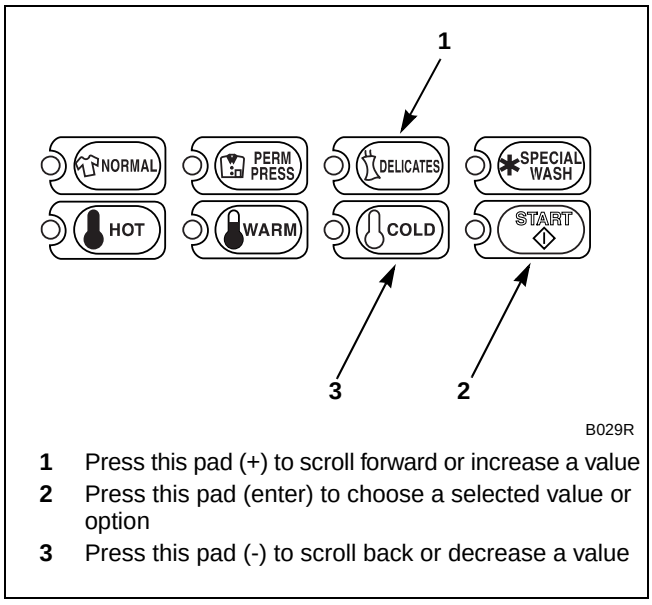


Figure 139

4. When “+048” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Spin Extract Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 140*.

NOTE: The Normal Spin Extract Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 140

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+049”, will appear in the VFD.

NOTE: To program “+049” (Normal Spin Extract Speed), refer to *option 49* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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51. Permanent Press PreWash #1 Fill/Tumble Time “+051”

This option allows the owner to set the amount of PreWash #1 fill/tumble time for the Permanent Press cycle.

How to Program Permanent Press PreWash #1 Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

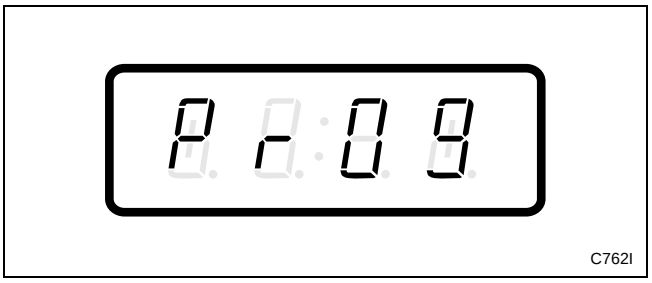


Figure 141

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+051” appears in the VFD. Refer to *Figure 142*.

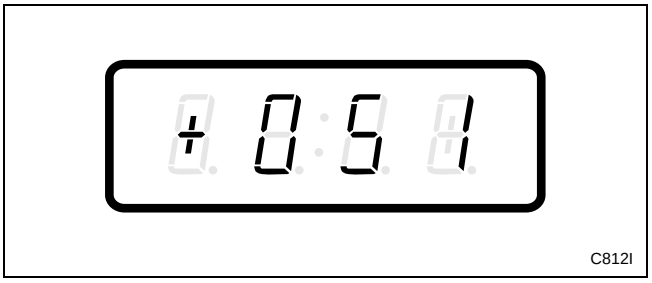
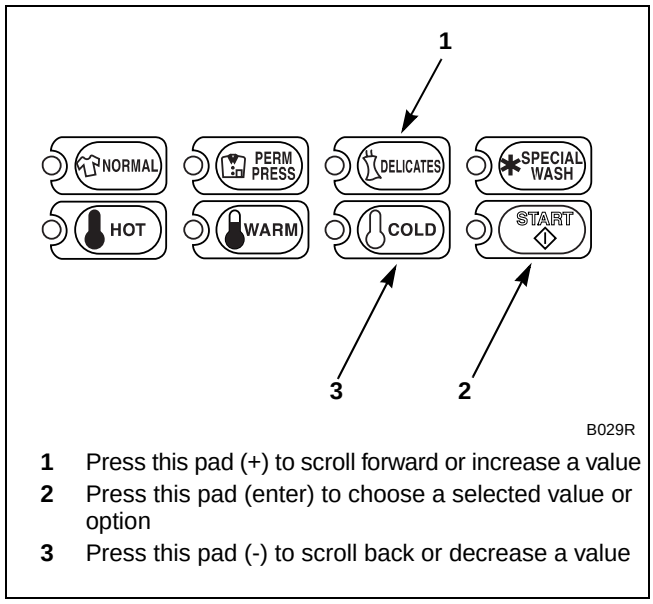


Figure 142

4. When “+051” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press PreWash #1 Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 143*.

NOTE: The Permanent Press PreWash #1 Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 143

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+052”, will appear in the VFD.

NOTE: To program “+052” (Permanent Press PreWash #2 Fill/Tumble Time), refer to *option 52* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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53. Permanent Press Wash Fill/Tumble Time “+053”

This option allows the owner to set the amount of wash fill/tumble time for the Permanent Press cycle.

How to Program Permanent Press Wash Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 144

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+053” appears in the VFD. Refer to *Figure 145*.

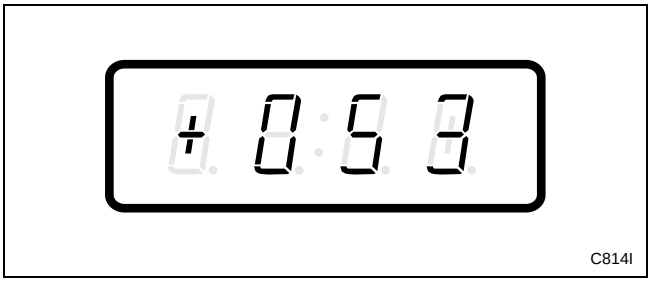
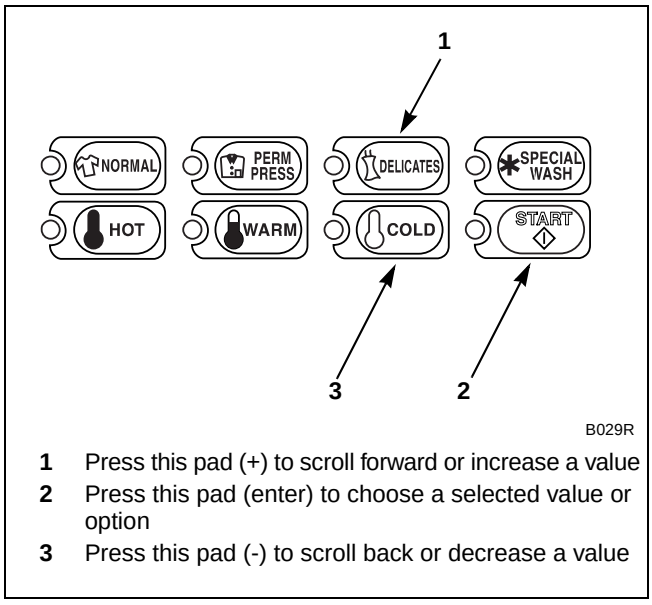


Figure 145

4. When “+053” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Wash Fill/ Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 146*.

NOTE: The Permanent Press Wash Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 146

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+054”, will appear in the VFD.

NOTE: To program “+054” (Permanent Press Rinse #1 Fill/Tumble Time), refer to *option 54*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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54. Permanent Press Rinse #1 Fill/Tumble Time “+054”

This option allows the owner to set the amount of rinse #1 fill/tumble time for the Permanent Press cycle.

How to Program Permanent Press Rinse #1 Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 147

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+054” appears in the VFD. Refer to *Figure 148*.

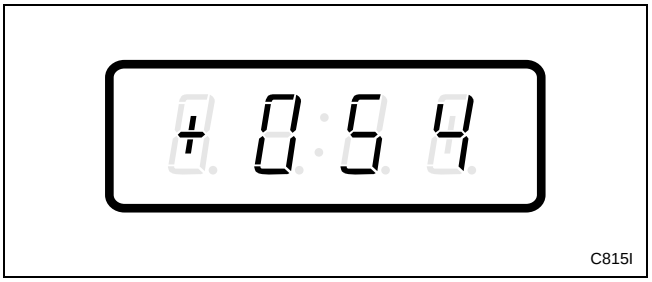
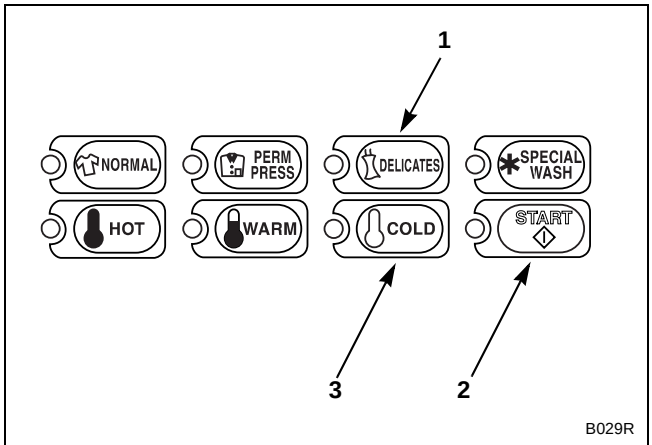


Figure 148

4. When “+054” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Rinse #1 Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 149*.

NOTE: The Permanent Press Rinse #1 Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 149

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+055”, will appear in the VFD.

NOTE: To program “+055” (Permanent Press Rinse Extra Fill/Tumble Time), refer to *option 55* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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56. Permanent Press Rinse Final Fill/Tumble Time “+056”

This option allows the owner to set the amount of final rinse fill/tumble time for the Permanent Press cycle.

How to Program Permanent Press Rinse Final Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 150

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+056” appears in the VFD. Refer to *Figure 151*.

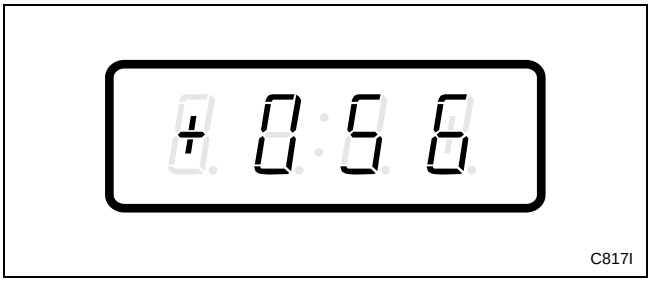
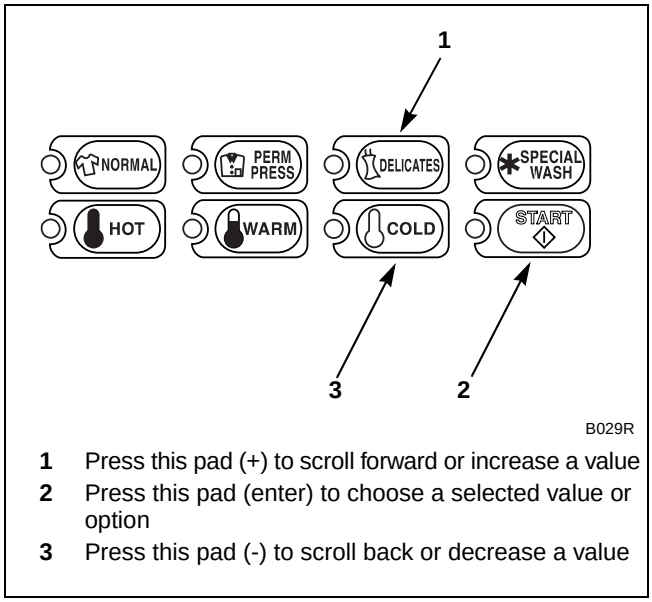


Figure 151

4. When “+056” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Rinse Final Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 152*.

NOTE: The Permanent Press Rinse Final Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 152

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+057”, will appear in the VFD.

NOTE: To program “+057” (Permanent Press Spin Extract Time), refer to *option 57*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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57. Permanent Press Spin Extract Time “+057”

This option allows the owner to set the amount of time for extraction during the Permanent Press cycle.

How to Program Permanent Press Spin Extract Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 153

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+057” appears in the VFD. Refer to *Figure 154*.

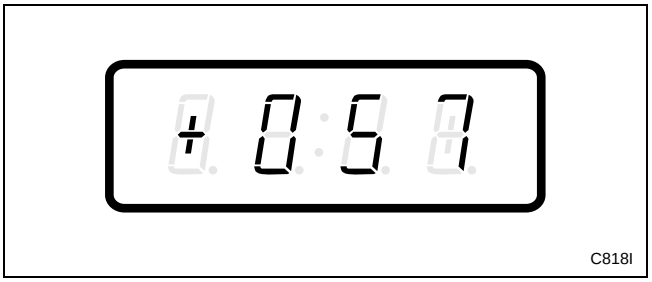
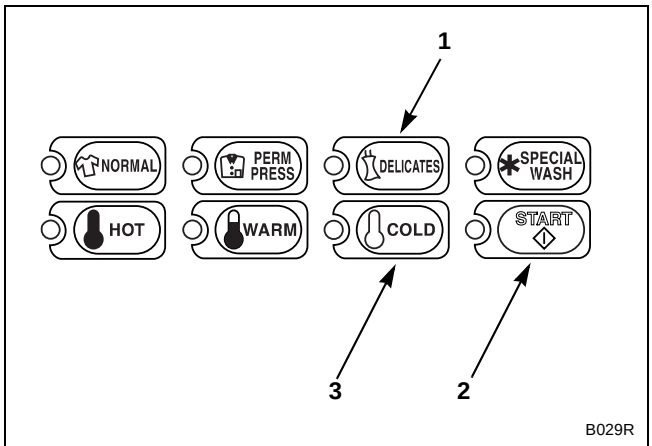


Figure 154

4. When “+057” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Spin Extract Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 155*.

NOTE: The Permanent Press Spin Extract Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 155

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+058”, will appear in the VFD.

NOTE: To program “+058” (Permanent Press Spin Extract Speed), refer to *option 58* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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62. Delicates Wash Fill/Tumble Time “+062”

This option allows the owner to set the amount of wash fill/tumble time for the Delicates cycle.

How to Program Delicates Wash Fill/ Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 156

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+062” appears in the VFD. Refer to *Figure 157*.

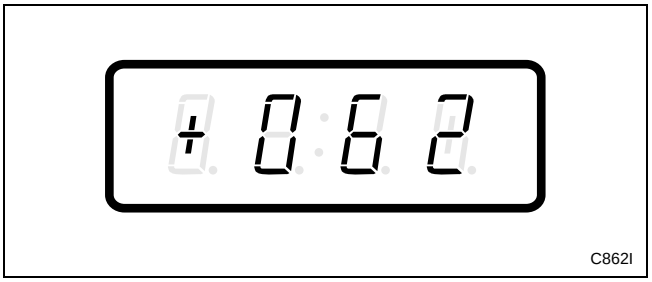
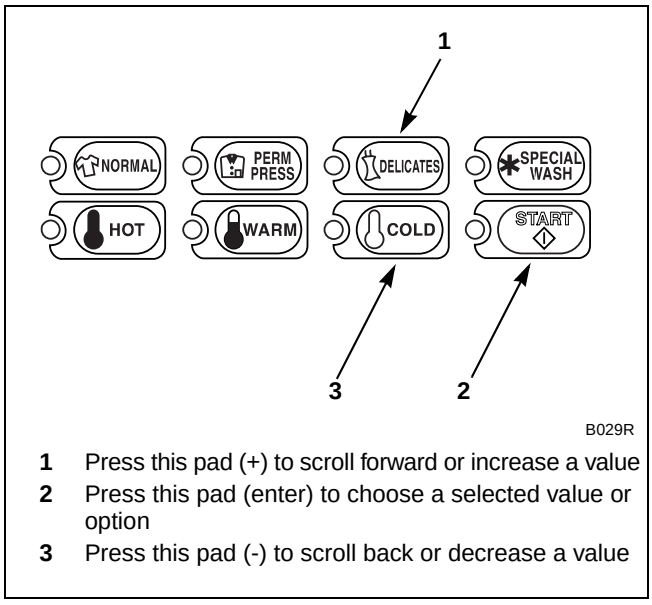


Figure 157

4. When “+062” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Wash Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 158*.

NOTE: The Delicates Wash Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 158

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+063”, will appear in the VFD.

NOTE: To program “+063” (Delicates Rinse #1 Fill/Tumble Time), refer to *option 63*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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63. Delicates Rinse #1 Fill/Tumble Time “+063”

This option allows the owner to set the amount of rinse #1 fill/tumble time for the Delicates cycle.

How to Program Delicates Rinse #1 Fill/ Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 159

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+063” appears in the VFD. Refer to *Figure 160*.

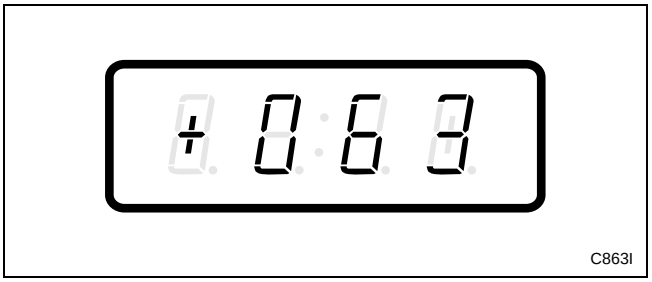
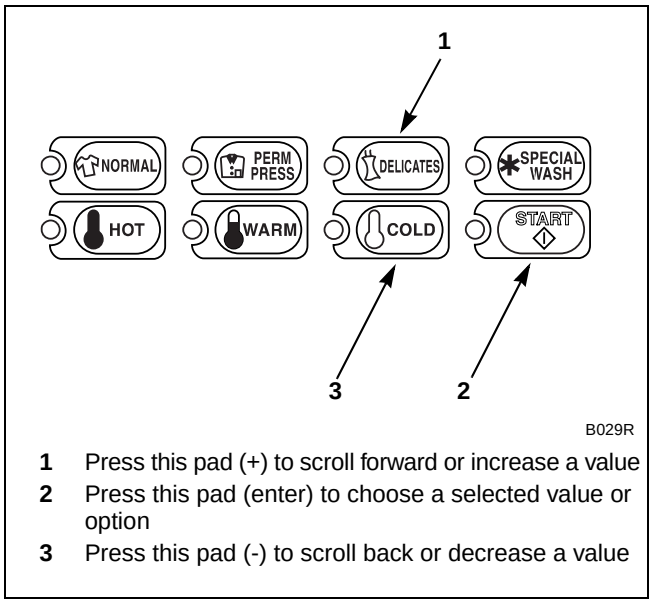


Figure 160

4. When “+063” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Rinse #1 Fill/ Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 161*.

NOTE: The Delicates Rinse #1 Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 161

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+064”, will appear in the VFD.

NOTE: To program “+064” (Delicates Rinse Extra Fill/Tumble Time), refer to *option 64* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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65. Delicates Rinse Final Fill/Tumble Time “+065”

This option allows the owner to set the amount of final rinse fill/tumble time for the Delicates cycle.

How to Program Delicates Rinse Final Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 162

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+065” appears in the VFD. Refer to *Figure 163*.

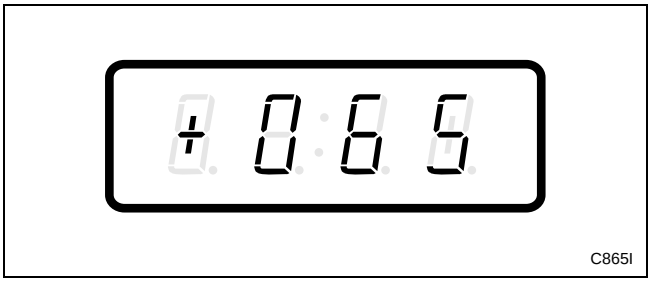
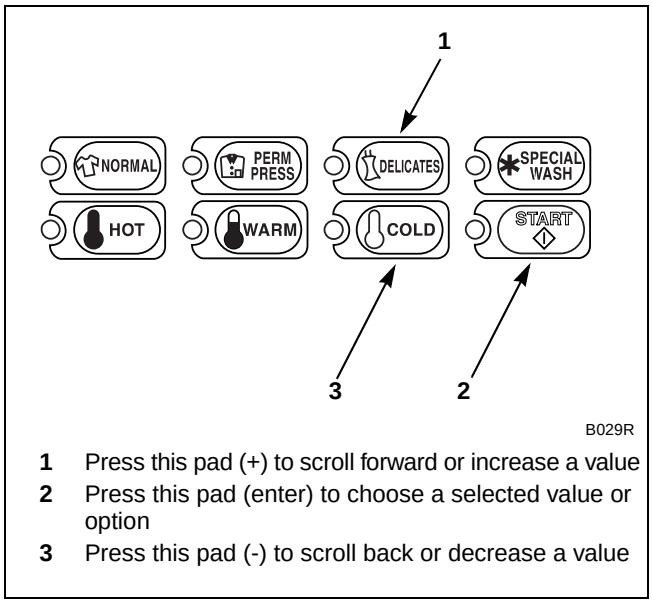


Figure 163

4. When “+065” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Rinse Final Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 164*.

NOTE: The Delicates Rinse Final Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 164

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+066”, will appear in the VFD.

NOTE: To program “+066” (Delicate Spin Extract Time), refer to *option 66*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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66. Delicates Spin Extract Time "+066"

This option allows the owner to set the amount of time for extraction during the Delicates cycle.

How to Program Delicates Spin Extract Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

Figure 165

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+066" appears in the VFD. Refer to *Figure 166*.

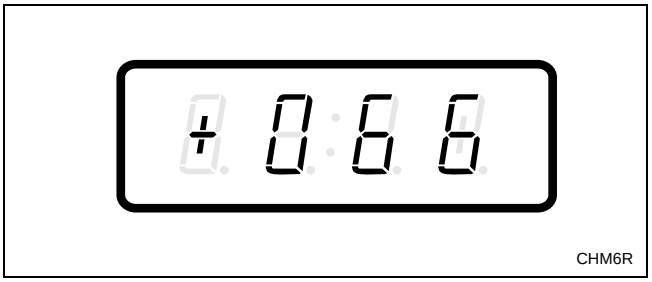
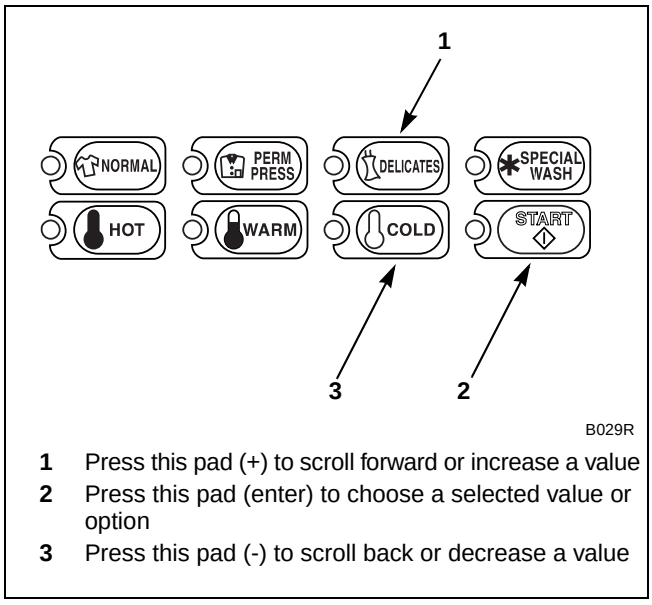


Figure 166

4. When "+066" appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Spin Extract Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 167*.

NOTE: The Delicates Spin Extract Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 167

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, "+067", will appear in the VFD.

NOTE: To program "+067" (Delicates Spin Extract Speed), refer to *option 67* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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69. Special Wash PreWash #1 Fill/Tumble Time “+069”

This option allows the owner to set the amount of time for PreWash #1 during fill and tumble of the Delicates cycle.

How to Program Special Wash PreWash #1 Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

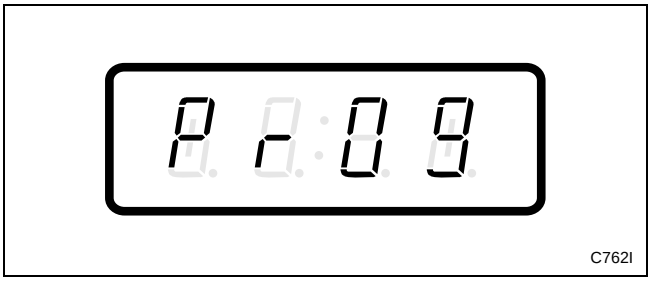


Figure 168

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+069” appears in the VFD. Refer to *Figure 169*.

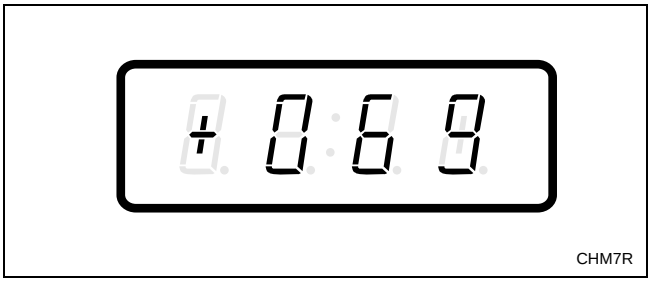
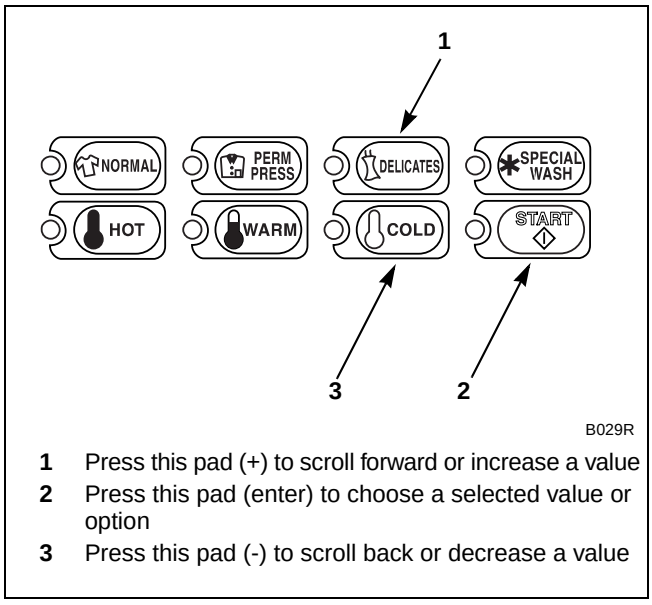


Figure 169

4. When “+069” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Special Wash PreWash #1 Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 170*.

NOTE: The Special Wash PreWash #1 Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 170

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+070”, will appear in the VFD.

NOTE: To program “+070” (Special Wash PreWash #2 Fill/Tumble Time), refer to *option 70* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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71. Special Wash Wash Fill/Tumble Time “+071”

This option allows the owner to set the amount of wash fill/tumble time for the Special Wash cycle.

How to Program Special Wash Wash Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 171

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+071” appears in the VFD. Refer to *Figure 172*.

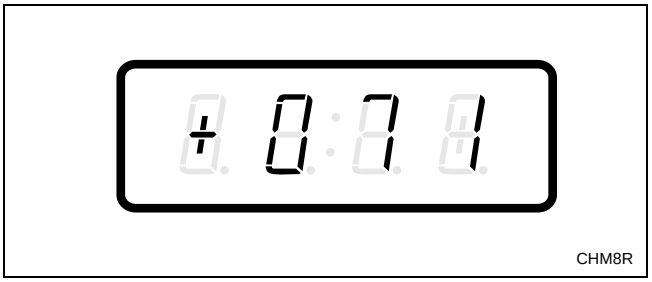
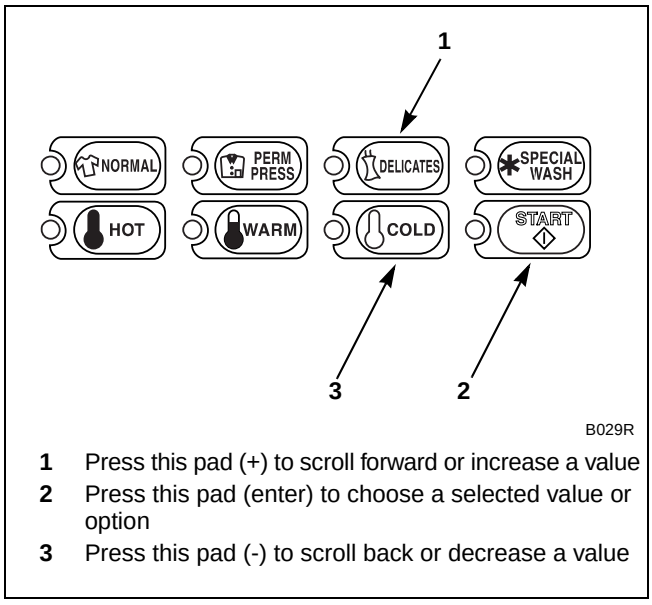


Figure 172

4. When “+071” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Special Wash Wash Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 173*.

NOTE: The Special Wash Wash Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 173

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+072”, will appear in the VFD.

NOTE: To program “+072” (Special Wash Rinse #1 Fill/Tumble Time), refer to *option 72*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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72. Special Wash Rinse #1 Fill/Tumble Time “+072”

This option allows the owner to set the amount of rinse #1 fill/tumble time for the Special Wash cycle.

How to Program Special Wash Rinse #1 Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 174

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+072” appears in the VFD. Refer to *Figure 175*.

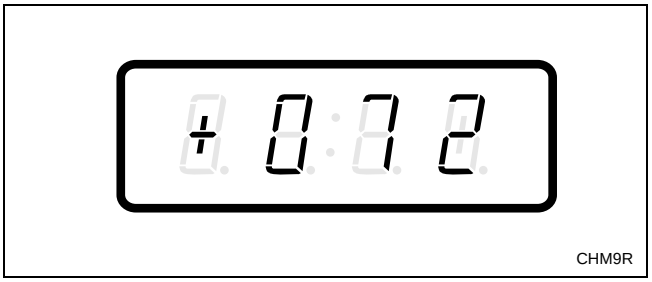
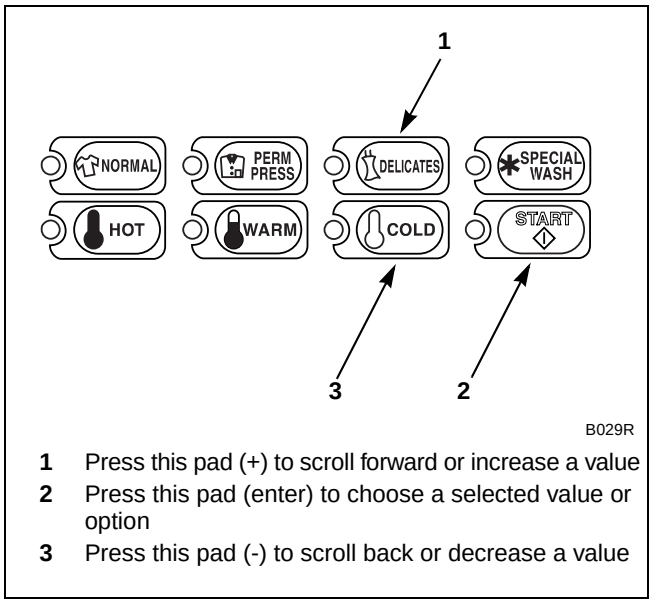


Figure 175

4. When “+072” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Special Wash Rinse #1 Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 176*.

NOTE: The Special Wash Rinse #1 Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 176

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+073”, will appear in the VFD.

NOTE: To program “+073” (Special Wash Rinse Extra Fill/Tumble Time), refer to *option 73* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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74. Special Wash Rinse Final Fill/Tumble Time “+074”

This option allows the owner to set the amount of time for a final rinse fill/tumble in the Special Wash cycle.

How to Program Special Wash Rinse Final Fill/Tumble Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 177

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+074” appears in the VFD. Refer to *Figure 178*.

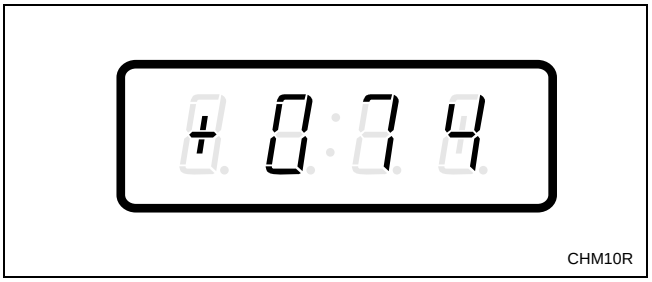
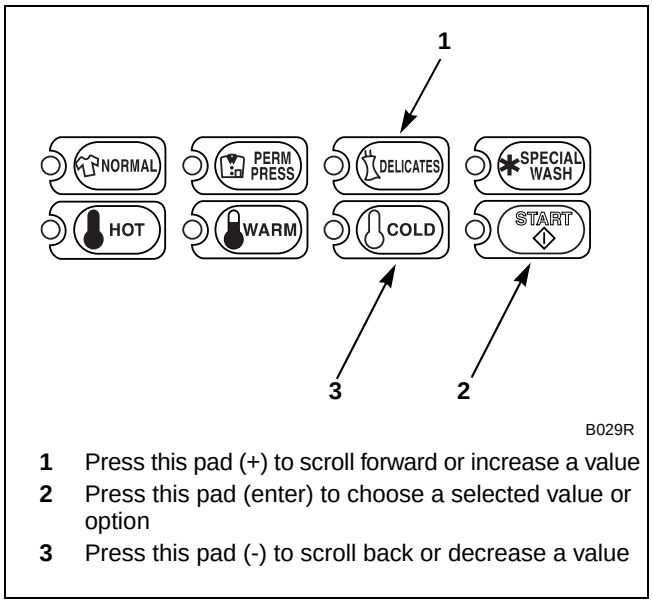


Figure 178

4. When “+074” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Special Wash Rinse Final Fill/Tumble Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 179*.

NOTE: The Special Wash Rinse Final Fill/Tumble Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 179

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+075”, will appear in the VFD.

NOTE: To program “+075” (Special Wash Spin Extract Time), refer to *option 75*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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75. Special Wash Spin Extract Time "+075"

This option allows the owner to set the amount of time for extraction during the Special Wash cycle.

How to Program Special Wash Spin Extract Time

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

Figure 180

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+075" appears in the VFD. Refer to *Figure 181*.

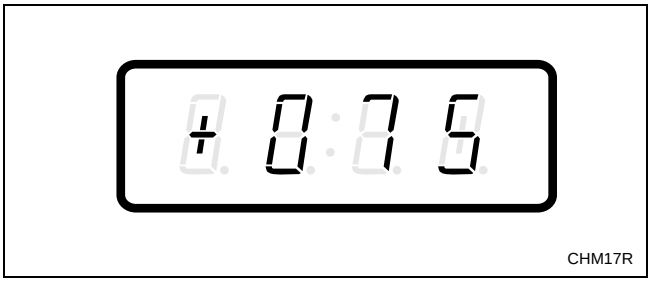
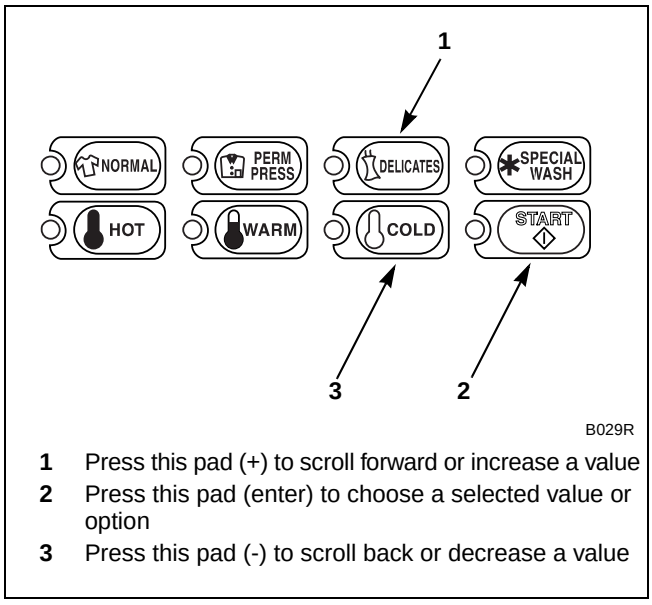


Figure 181

4. When "+075" appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Special Wash Spin Extract Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. Refer to *Figure 182*.

NOTE: The Special Wash Spin Extract Time can be set from zero (0) to 15 minutes.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 182

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, "+076", will appear in the VFD.

NOTE: To program "+076" (Special Wash Spin Extract Speed), refer to *option 76* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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81. Control Configuration Data #1 “+081”

This option allows the owner to turn ON or turn OFF preprogrammed capabilities within NetMaster.

How to Program the Control Configuration Data #1

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

Figure 183

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+081” appears in the VFD. Refer to *Figure 184*.

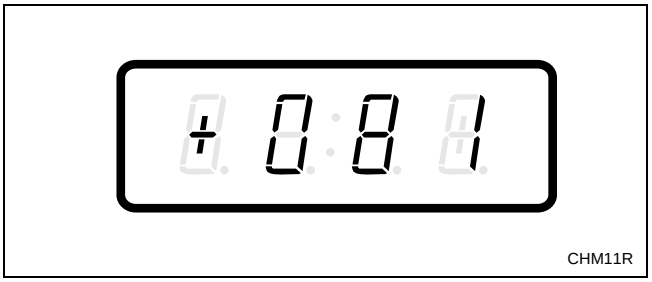
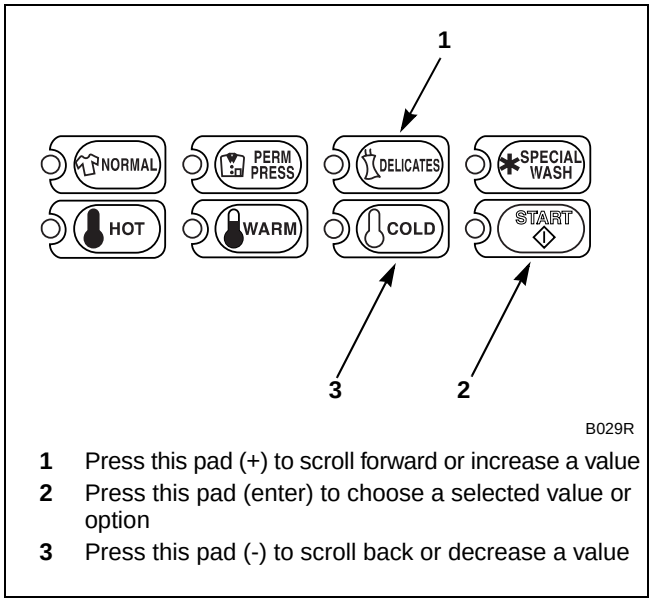


Figure 184

4. When “+081” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Control Configuration Data #1 Value.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number to the desired number selected from *Table 5*. Refer to *Figure 185*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 185

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+082”, will appear in the VFD.

NOTE: To program “+082” (Control Configuration Data #2), refer to *option 82* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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Configuration #1 Programming

Refer to *Table 5* to turn on or turn off the preprogrammed daylight savings option, wash temperature display option, infra-red access option, decimal point option, manual programming and the automatic collect option in NetMaster.

To change any or all of these configuration options, review the following descriptions carefully and choose the appropriate configuration value from *Table 5*. Enter the appropriate value in step 5 on the previous page.

Daylight Savings	This option automatically sets the clock in NetMaster to account for the time change during Daylight Savings. OFF = Turns off the automatic daylight savings option programmed in NetMaster. ON = Turns on the automatic daylight savings option programmed in NetMaster.
Wash Temperature	This option determines if the temperature LEDs indicate the selected wash temperature during the entire cycle or indicates fill temperature during each rinse. SELECT (OFF)= Selected wash temperature remains on for entire cycle. ACTUAL (ON)= LEDs indicate actual water temperature during every fill step. LEDs will be off during distribute and spin steps.
Infra-red Access	This option determines if a Micro-Wand can access or program NetMaster. OFF = Turns off the infra-red access by the Micro-Wand. ON = Turns on the infra-red access by the Micro-Wand.
Decimal Point	This option determines if a decimal point is used when displaying the vend price (i.e., machines using token currency may choose to remove the decimal point). OFF = Turns off the decimal point from appearing in the VFD. ON = Turns on the decimal point to appear in the VFD.
Automatic Collect	This option automatically collects all audit data information whenever the Micro-Wand communicates with the control. Turn off Automatic Collect to prevent access to collection information when using an outside source to program NetMaster. OFF = Turns off the automatic collect with the Micro-Wand. ON = Turns on the automatic collect with the Micro-Wand.
Manual Programming	This option allows special programming functions to be accessed manually rather than requiring the use of a Micro-Wand or other communication source. OFF = Turns off Manual Programming. ON = Turns on Manual Programming.

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"+081"						
Config. Value	**Auto Collect**	**Manual Progr. Access**	**Decimal Point**	**IR Access**	**Wash Temp**	**Daylight Savings**
0	OFF	OFF	OFF	OFF	OFF	OFF
1	OFF	OFF	OFF	OFF	OFF	**ON**
2	OFF	OFF	OFF	OFF	**ON**	OFF
3	OFF	OFF	OFF	OFF	**ON**	**ON**
4	OFF	OFF	OFF	**ON**	OFF	OFF
5	OFF	OFF	OFF	**ON**	OFF	**ON**
6	OFF	OFF	OFF	**ON**	**ON**	OFF
7	OFF	OFF	OFF	**ON**	**ON**	**ON**
8	OFF	OFF	**ON**	OFF	OFF	OFF
9	OFF	OFF	**ON**	OFF	OFF	**ON**
10	OFF	OFF	**ON**	OFF	**ON**	OFF
11	OFF	OFF	**ON**	OFF	**ON**	**ON**
12	OFF	OFF	**ON**	**ON**	OFF	OFF
13	OFF	OFF	**ON**	**ON**	OFF	**ON**
14	OFF	OFF	**ON**	**ON**	**ON**	OFF
15	OFF	OFF	**ON**	**ON**	**ON**	**ON**
16	OFF	**ON**	OFF	OFF	OFF	OFF
17	OFF	**ON**	OFF	OFF	OFF	**ON**
18	OFF	**ON**	OFF	OFF	**ON**	OFF
19	OFF	**ON**	OFF	OFF	**ON**	**ON**
20	OFF	**ON**	OFF	**ON**	OFF	OFF
21	OFF	**ON**	OFF	**ON**	OFF	**ON**
22	OFF	**ON**	OFF	**ON**	**ON**	OFF
23	OFF	**ON**	OFF	**ON**	**ON**	**ON**
24	OFF	**ON**	**ON**	OFF	OFF	OFF
25	OFF	**ON**	**ON**	OFF	OFF	**ON**
26	OFF	**ON**	**ON**	OFF	**ON**	OFF
27	OFF	**ON**	**ON**	OFF	**ON**	**ON**
28	OFF	**ON**	**ON**	**ON**	OFF	OFF
29	OFF	**ON**	**ON**	**ON**	OFF	**ON**
30	OFF	**ON**	**ON**	**ON**	**ON**	OFF
31	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
32	**ON**	OFF	OFF	OFF	OFF	OFF
33	**ON**	OFF	OFF	OFF	OFF	**ON**
34	**ON**	OFF	OFF	OFF	**ON**	OFF
35	**ON**	OFF	OFF	OFF	**ON**	**ON**

Table 5 (Continued)

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Table 5 (Continued)

“+081”						
Config. Value	**Auto Collect**	**Manual Progr. Access**	**Decimal Point**	**IR Access**	**Wash Temp**	**Daylight Savings**
36	**ON**	OFF	OFF	**ON**	OFF	OFF
37	**ON**	OFF	OFF	**ON**	OFF	**ON**
38	**ON**	OFF	OFF	**ON**	**ON**	OFF
39	**ON**	OFF	OFF	**ON**	**ON**	**ON**
40	**ON**	OFF	**ON**	OFF	OFF	OFF
41	**ON**	OFF	**ON**	OFF	OFF	**ON**
42	**ON**	OFF	**ON**	OFF	**ON**	OFF
43	**ON**	OFF	**ON**	OFF	**ON**	**ON**
44	**ON**	OFF	**ON**	**ON**	OFF	OFF
45	**ON**	OFF	**ON**	**ON**	OFF	**ON**
46	**ON**	OFF	**ON**	**ON**	**ON**	OFF
47	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
48	**ON**	**ON**	OFF	OFF	OFF	OFF
49	**ON**	**ON**	OFF	OFF	OFF	**ON**
50	**ON**	**ON**	OFF	OFF	**ON**	OFF
51	**ON**	**ON**	OFF	OFF	**ON**	**ON**
52	**ON**	**ON**	OFF	**ON**	OFF	OFF
53	**ON**	**ON**	OFF	**ON**	OFF	**ON**
54	**ON**	**ON**	OFF	**ON**	**ON**	OFF
55	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
56	**ON**	**ON**	**ON**	OFF	OFF	OFF
57	**ON**	**ON**	**ON**	OFF	OFF	**ON**
58	**ON**	**ON**	**ON**	OFF	**ON**	OFF
59	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
60	**ON**	**ON**	**ON**	**ON**	OFF	OFF
61	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
62	**ON**	**ON**	**ON**	**ON**	**ON**	OFF
63	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**

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114. Lucky Option “+114”

This option allows the owner to program the machine to provide a free vend cycle to customers after a certain number of machine cycles have occurred.

For coin models, “FrEE” will be displayed five minutes after the completion of the programmed number of cycles has occurred. The cycle can then be started by pressing the START (enter) pad.

For card models, when a card is inserted, the VFD will display “bAL” followed by the card balance. When the user presses the START pad, a zero vend will be deducted from the card. The VFD will display “WAIT”. The VFD will then display “FrEE” for five seconds and then the cycle time will be displayed. When the card is removed, the VFD will flash the remaining balance for three seconds and will then revert back to the cycle time.

How to Program Lucky Option

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

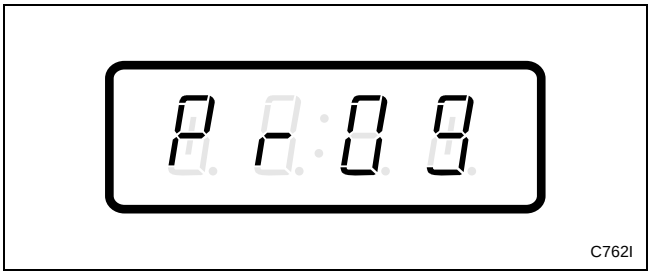


Figure 186

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+114” appears in the VFD. Refer to *Figure 187*.

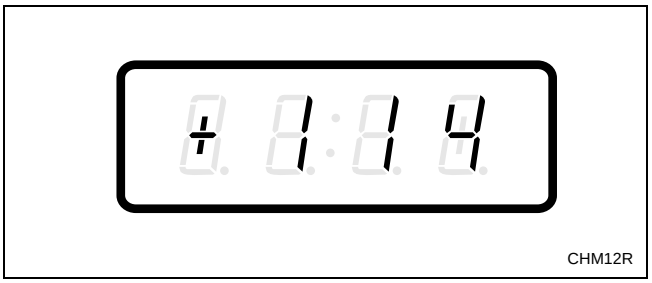


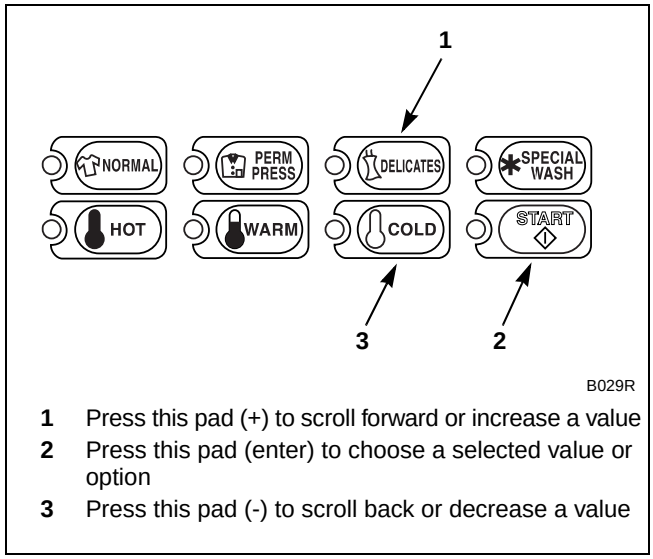
Figure 187

4. When “+114” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Lucky Option Programming Value.
5. Locate the desired number in the first column of *Table 6* below.

“+114”		
Lucky Option Value	**Lucky Cycle ON/OFF**	**Number of Cycles**
1 – 127	OFF	1 – 127
129	**ON**	1
130	**ON**	2
131 – 255	**ON**	3 – 127

Table 6

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. Refer to *Figure 188*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 188

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+115”, will appear in the VFD.

NOTE: To program “+115” (Special Cycle Option), refer to *option 115* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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118. Auto-Flush Option “+118”

This option programs the control to automatically flush the dispenser compartments at set times and intervals to keep the compartments clean.

The owner can select Auto-Flush to occur after one (1) to 127 cycles and can determine the time and days of week Auto-Flush will occur. If zero (0) is selected for cycles, the Auto-Flush will always occur on the selected time and day.

NOTE: The loading door must be closed and latched for Auto-Flush to occur.

How to Program Auto-Flush Cycle Option

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

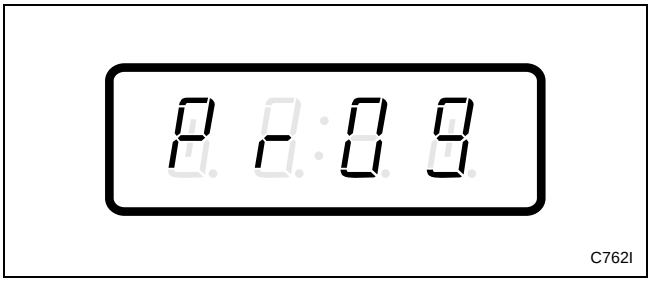


Figure 189

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+118” appears in the VFD. Refer to *Figure 190*.

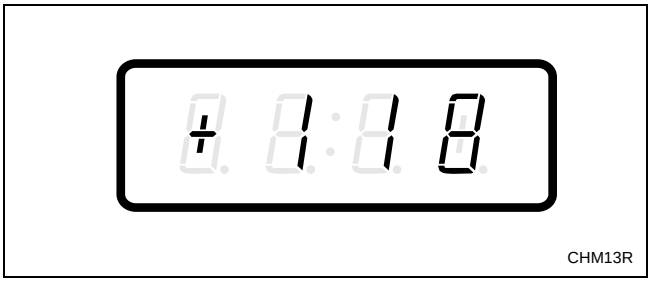
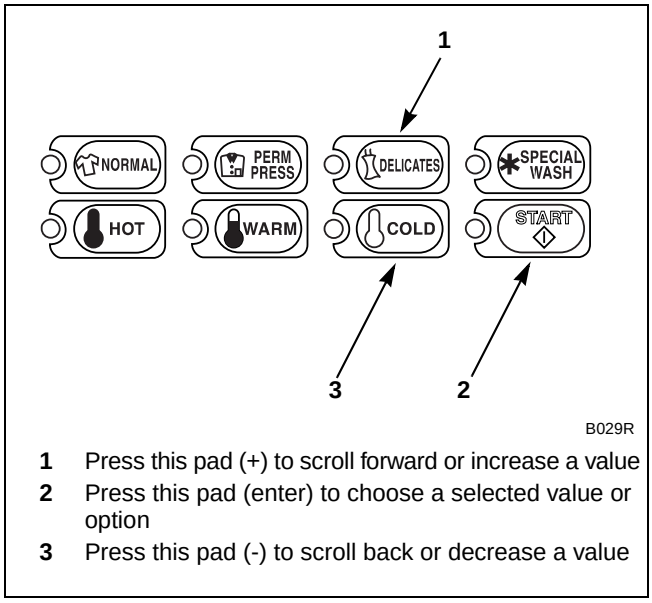


Figure 190

4. When “+118” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Auto-Flush Option Programming Value.
5. Locate the desired number in *Table 7*.
6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. Refer to *Figure 191*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 191

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+119”, will appear in the VFD.

NOTE: To program “+119” (Auto-Flush Hour), refer to *option 119*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

“+118”		
Auto-Flush Option Value	**Auto-Flush ON/OFF**	**Number of Cycles**
0 – 127	OFF	0 – 127
128	**ON**	0
129	**ON**	1
130	**ON**	2
131 – 255	**ON**	3 – 127

Table 7

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119. Auto-Flush Hour “+119”

This option allows the owner to set the hour that the dispensers will automatically flush.

NOTE: The loading door must be closed and latched for Auto-Flush to occur.

How to Program Auto-Flush Hour

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

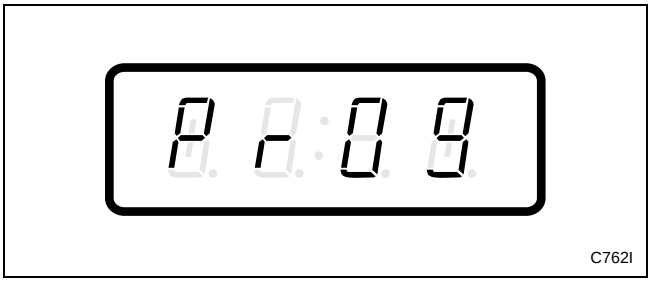


Figure 192

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+119” appears in the VFD. Refer to *Figure 193*.

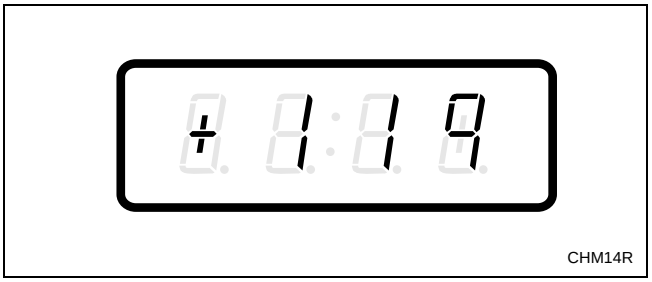
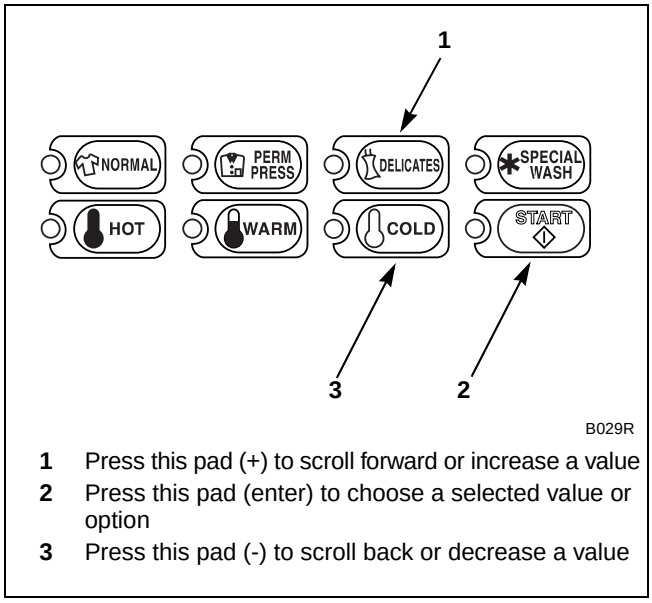


Figure 193

4. When “+119” appears in the VFD, press the START (enter) keypad. The current start time (in military time) will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current hour to the desired hour. Refer to *Figure 194*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 194

6. Press the START (enter) keypad when the correct hour appears in the VFD. The next option, “+120”, will appear in the VFD.

NOTE: For Auto-Flush to work at the hour selected, the Auto-Flush option must be turned on and the number of cycles between flushes must be selected. Refer to *option 118*.

NOTE: To program “+120” (Auto-Flush DOW), refer to *option 120*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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120. Auto-Flush DOW “+120”

This option allows the owner to set the day of the week that the dispensers will automatically flush.

NOTE: The loading door must be closed and latched for Auto-Flush to occur.

How to Program Auto-Flush DOW

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

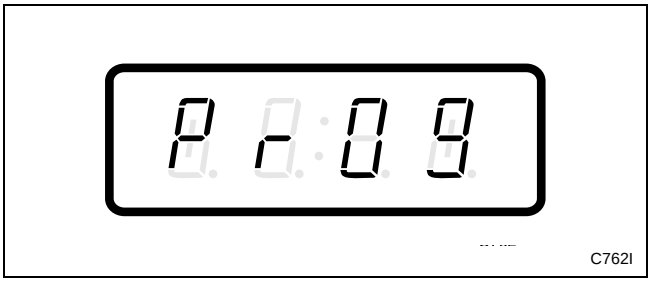


Figure 195

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+120” appears in the VFD. Refer to *Figure 196*.

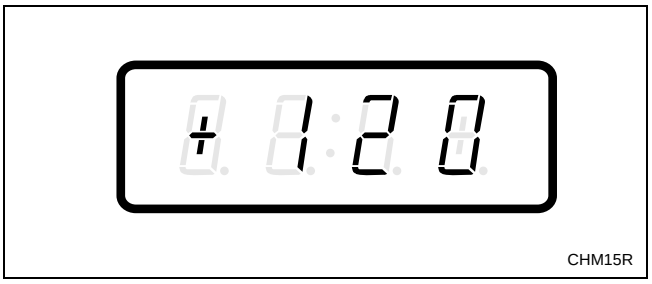
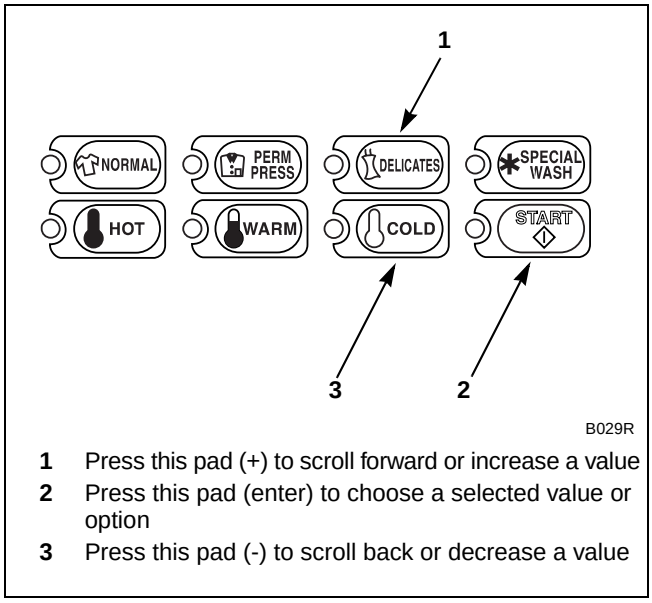


Figure 196

4. When “+120” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Auto-Flush DOW Programming Value.
5. Locate the desired number in the first column of *Table 8* on the following pages.
6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. Refer to *Figure 197*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 197

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+121”, will appear in the VFD.

NOTE: For Auto-Flush to work on the day selected, the Auto-Flush option must be turned on and the number of cycles between flushes must be selected. Refer to *option 118*.

NOTE: If DOW value is Ø (all days off), Auto-Flush will never occur.

NOTE: To program “+121” (Smart Card Maximum Value), refer to *option 121*. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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How to Read *Table 8*

Refer to *Table 8* to determine the correct number required to program Auto-Flush DOW. The Auto-Flush DOW Value column contains the number required in step 6. The other columns correspond to individual options.

Each column of options contains a unique combination of the words ON and OFF that indicate if that column's option is turned on or off when the Auto-Flush DOW Value is entered. Select the desired combination of options and enter the number found in the Auto-Flush DOW Value column.

"+120"							
Auto-Flush DOW Value	**Sat**	**Fri**	**Thur**	**Wed**	**Tue**	**Mon**	**Sun**
0	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1	OFF	OFF	OFF	OFF	OFF	OFF	**ON**
2	OFF	OFF	OFF	OFF	OFF	**ON**	OFF
3	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**
4	OFF	OFF	OFF	OFF	**ON**	OFF	OFF
5	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**
6	OFF	OFF	OFF	OFF	**ON**	**ON**	OFF
7	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**
8	OFF	OFF	OFF	**ON**	OFF	OFF	OFF
9	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**
10	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF
11	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**
12	OFF	OFF	OFF	**ON**	**ON**	OFF	OFF
13	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**
14	OFF	OFF	OFF	**ON**	**ON**	**ON**	OFF
15	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**
16	OFF	OFF	**ON**	OFF	OFF	OFF	OFF
17	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**
18	OFF	OFF	**ON**	OFF	OFF	**ON**	OFF
19	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**
20	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF
21	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**
22	OFF	OFF	**ON**	OFF	**ON**	**ON**	OFF
23	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**
24	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF
25	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**
26	OFF	OFF	**ON**	**ON**	OFF	**ON**	OFF
27	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**
28	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF
29	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**
30	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF
31	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
32	OFF	**ON**	OFF	OFF	OFF	OFF	OFF

Table 8

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“+120”							
33	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**
34	OFF	**ON**	OFF	OFF	OFF	**ON**	OFF
35	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**
36	OFF	**ON**	OFF	OFF	**ON**	OFF	OFF
37	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**
38	OFF	**ON**	OFF	OFF	**ON**	**ON**	OFF
39	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**
40	OFF	**ON**	OFF	**ON**	OFF	OFF	OFF
41	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**
42	OFF	**ON**	OFF	**ON**	OFF	**ON**	OFF
43	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**
44	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF
45	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**
46	OFF	**ON**	OFF	**ON**	**ON**	**ON**	OFF
47	OFF	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
48	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF
49	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**
50	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF
51	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**
52	OFF	**ON**	**ON**	OFF	**ON**	OFF	OFF
53	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**
54	OFF	**ON**	**ON**	OFF	**ON**	**ON**	OFF
55	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
56	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF
57	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**
58	OFF	**ON**	**ON**	**ON**	OFF	**ON**	OFF
59	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
60	OFF	**ON**	**ON**	**ON**	**ON**	OFF	OFF
61	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
62	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	OFF
63	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
64	**ON**	OFF	OFF	OFF	OFF	OFF	OFF
65	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**
66	**ON**	OFF	OFF	OFF	OFF	**ON**	OFF
67	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**
68	**ON**	OFF	OFF	OFF	**ON**	OFF	OFF
69	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**
70	**ON**	OFF	OFF	OFF	**ON**	**ON**	OFF
71	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**
72	**ON**	OFF	OFF	**ON**	OFF	OFF	OFF
73	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**
74	**ON**	OFF	OFF	**ON**	OFF	**ON**	OFF

Table 8

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“+120”							
75	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**
76	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF
77	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**
78	**ON**	OFF	OFF	**ON**	**ON**	**ON**	OFF
79	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**
80	**ON**	OFF	**ON**	OFF	OFF	OFF	OFF
81	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**
82	**ON**	OFF	**ON**	OFF	OFF	**ON**	OFF
83	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**
84	**ON**	OFF	**ON**	OFF	**ON**	OFF	OFF
85	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**
86	**ON**	OFF	**ON**	OFF	**ON**	**ON**	OFF
87	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**
88	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF
89	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**
90	**ON**	OFF	**ON**	**ON**	OFF	**ON**	OFF
91	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**
92	**ON**	OFF	**ON**	**ON**	**ON**	OFF	OFF
93	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**
94	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	OFF
95	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
96	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF
97	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**
98	**ON**	**ON**	OFF	OFF	OFF	**ON**	OFF
99	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**
100	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF
101	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**
102	**ON**	**ON**	OFF	OFF	**ON**	**ON**	OFF
103	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**
104	**ON**	**ON**	OFF	**ON**	OFF	OFF	OFF
105	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**
106	**ON**	**ON**	OFF	**ON**	OFF	**ON**	OFF
107	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**
108	**ON**	**ON**	OFF	**ON**	**ON**	OFF	OFF
109	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**
110	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	OFF
111	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
112	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF
113	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**
114	**ON**	**ON**	**ON**	OFF	OFF	**ON**	OFF
115	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**
116	**ON**	**ON**	**ON**	OFF	**ON**	OFF	OFF

Table 8

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“+120”							
117	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**
118	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	OFF
119	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
120	**ON**	**ON**	**ON**	**ON**	OFF	OFF	OFF
121	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**
122	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	OFF
123	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
124	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	OFF
125	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
126	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	OFF
127	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**

Table 8

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121. Smart Card Maximum Value "+121"

This option allows the owner to set the maximum card balance that will be accepted. If a Cash Value card is inserted with a balance greater than this value, it will not be accepted.

How to Program Smart Card Maximum Value

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "PrOg" appears in the VFD. Press the START (enter) keypad and "+001" will appear in the VFD.

Figure 198

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until "+121" appears in the VFD. Refer to *Figure 199*.

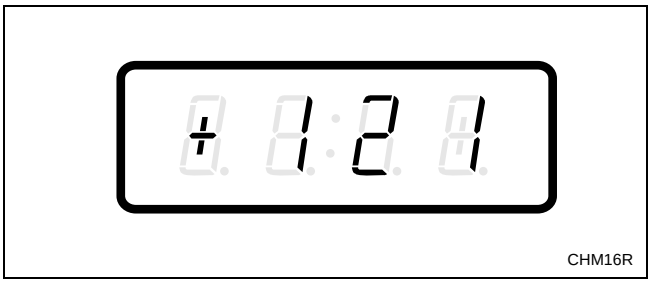


Figure 199

4. When "+121" appears in the VFD, press the START (enter) keypad. There are five digits in the Smart Card Maximum Value. The fifth digit will appear in the VFD and will flash one second on, one second off. Refer to *Figure 200*.

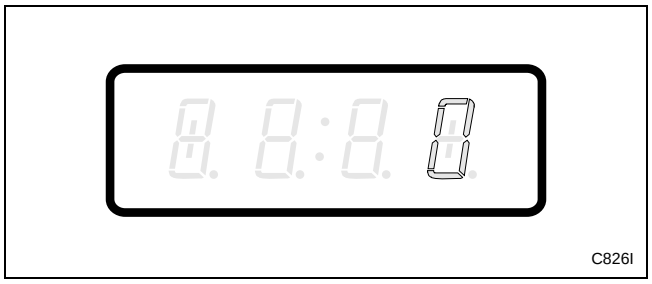
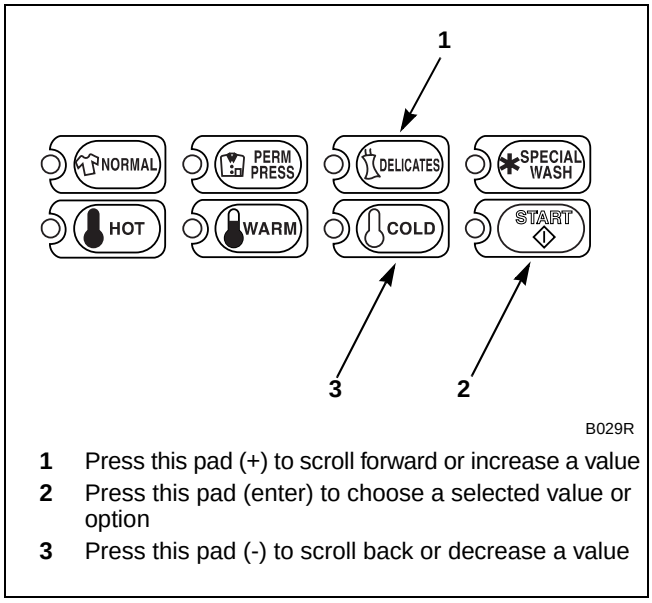


Figure 200

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. Refer to *Figure 201*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 201

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. Refer to *Figure 202*.

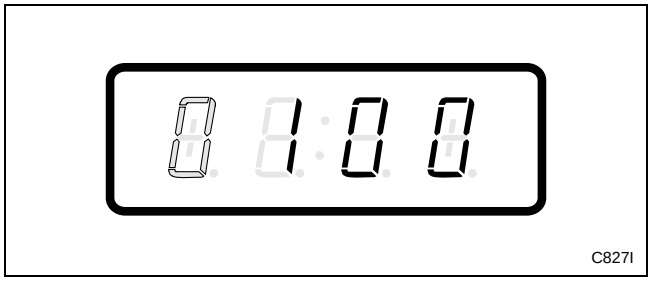


Figure 202

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7. Press DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.
8. Press the START (enter) keypad with the last active digit. The next option, “+122”, will appear in the VFD.

NOTE: To program “+122” (Site Code #1), refer to *option 122* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the Ready Mode. Refer to *Figure 2*.

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Collecting Audit Information

This feature allows the owner to retrieve audit information stored in the washer-extractor by pressing a sequence of pads on the control. For an explanation of the audit options available, refer to *Table 9*.

How to Enter Audit Feature

1. Control must be in Manual Mode to start. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "AUdT" appears. Refer to *Figure 203*.

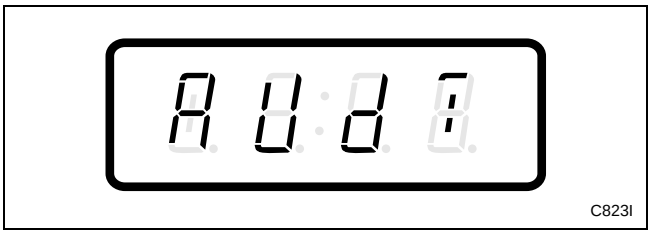


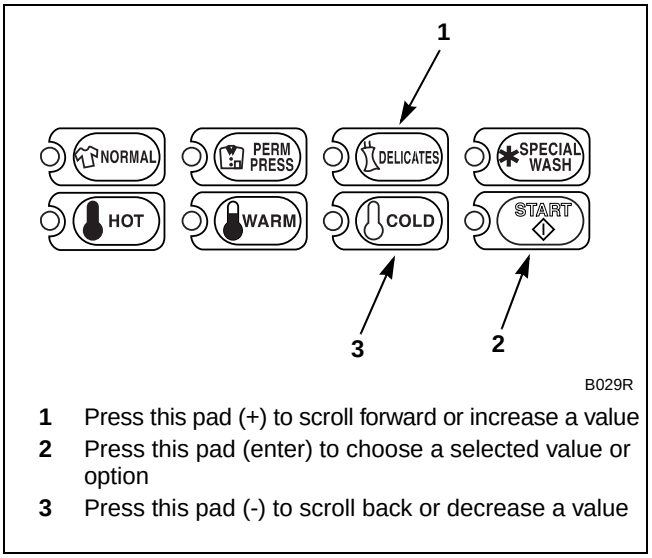
Figure 203

3. Press the START keypad. "CyC" will appear.

If the procedure did not work, the control will return to the Ready Mode. Refer to *Figure 2*.

How to Read Audit Data

1. Use the DELICATES (+) or the COLD (-) keypad to scroll through various options until the desired option is displayed in the VFD. Refer to *Table 9* for an explanation of the audit options available. Refer to *Figure 204*.



1 Press this pad (+) to scroll forward or increase a value
2 Press this pad (enter) to choose a selected value or option
3 Press this pad (-) to scroll back or decrease a value

Figure 204

Audit Options List		
#	VFD Display	Description
1	"CyC"	Total # of machine cycles
2	"COI1"	Total # of coins #1
3	"COI2"	Total # of coins #2
4	"PLSE"	Total # of Start Pulses
5	"CArd"	Smart Card Reader Firmware Version #

Table 9

2. Once the desired option appears in the VFD, press the START (enter) keypad **once** to start the audit count. At this point, the display will show the first four-digit segment of the audit value. Press the START (enter) keypad again to view the last four digits of the number.

NOTE: The VFD can display up to 4 digits at one time. All audit counts are separated into two 4-digit segments. Each time the START (enter) keypad is pressed in step 2, the VFD will show the next 4-digit segment in the audit value.

For Example: In the Total Number of Coins #1 option with "COI1" displayed in the VFD, the audit has counted 10,009 coins. Pressing the START (enter) keypad one time will show "_ _ _ 1" to represent ten thousand. Pressing the START (enter) keypad a second time will display "0009" meaning nine. The total equals "00010009" or 10,009.

3. Press the START (enter) keypad again. The control will go to the next audit option in the Audit Options List.
4. To select other audit options, repeat steps 1 – 4.

How to Exit Audit Feature

1. Be sure the control shows an audit option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will return to the Ready Mode. Refer to *Figure 2*.

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Notes

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Manual Reset

This feature allows the owner to reset the washer-extractor control's programming data to the factory default settings by pressing a sequence of pads on the control. For an explanation of the Factory Default Settings, refer to ***Default Washer-Extractor Settings***.

How to Enter Manual Reset

1. Control must be in Manual Mode to start. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "rSET" appears. Refer to *Figure 205*.

Figure 205

3. Press the START (enter) keypad. The control will display "WAIT" until the programming is complete. Once the program has been reset, the control will revert back to the Ready Mode.

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Notes

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Testing Machine and NetMaster Functions

Diagnostics

The following section describes the various diagnostic tests in the diagnostic mode.

The following Diagnostic tests are available only when the display shows “dIAg”.

- Control Software Version Number (+001)
- Pressure Switches Opening Test (+002)
- Access Panel Opening Test (+003)
- Coin Vault Opening Test (+004)
- Coin Drop #1 Input Test (+005)
- Coin Drop #2 Input Test (+006)
- Door Switch Input Test (+007)
- Door Lock Switch Input Test (+008)
- Show Fill Time Test (+009)
- Show Drain Time Test (+010)
- Temperature Sensor Display Test (+011)
- Start Pulse Test (+012)
- Heater On Test (+013)
- Configuration Display Test #1 (+014)
- Configuration Display Test #2 (+015)
- Configuration Display Test #3 (+016)
- VFD Balance Input Test (+017)
- VFD Filter Input Test (+018)
- VFD Balance Adjustment Test (+019)
- Water Purge Test (+020)

How to Enter Testing Feature

1. Control must be in Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until “dIAg” appears.
3. Press the START (enter) keypad. Display will change to “+001” indicating the control software version number test.
4. Press the DELICATES (+) or the COLD (-) keypad to scroll through the diagnostic test options.

How to Start Tests

To start a diagnostic test, press the START (enter) keypad when the desired test # is displayed. For detailed information on each test, read the appropriate description.

How to Exit Testing Feature

While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The display will return to the Ready Mode. Refer to *Figure 2*.

Control Software Version Number

This displays the current software version number as “Sxxx” where “xxx” is the Control Software Version Number. Refer to *Figure 206*.

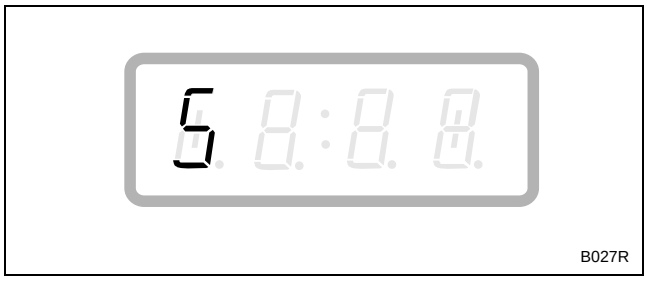

Figure 206

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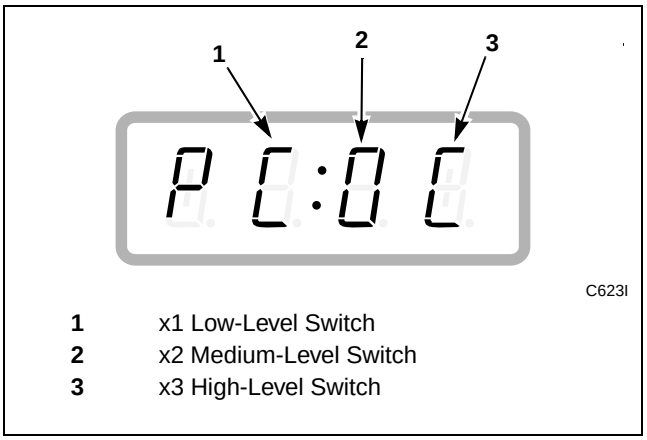
Pressure Switches Test

The display will show “Px1x2x3”, where “x1” represents the Low-Level switch, “x2” represents the Medium-Level switch, and “x3” represents the High-Level switch. Refer to *Figure 207*.



1	x1 Low-Level Switch
2	x2 Medium-Level Switch
3	x3 High-Level Switch

Figure 207

If any pressure switch is found open, its appropriate digit will show “O”. Refer to *Figure 208*.

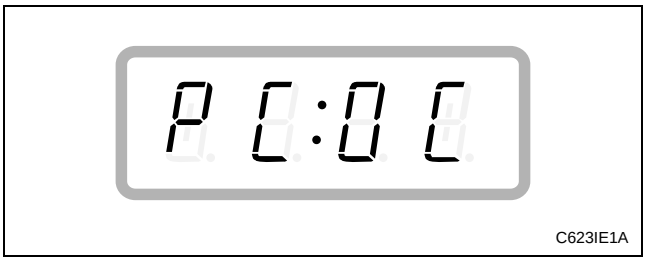


Figure 208

If it is closed, the display will show “C”. Refer to *Figure 209*.

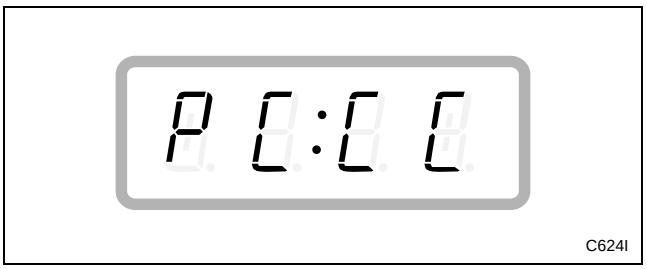


Figure 209

Access Panel Opening Test

Each time the access panel is opened, the count on the display increases. The switch has to be closed for at least one second, then open at least 1/2 second for a valid count. This test will increment the access panel opening counter and save the time/date for each opening of the test. All further test openings have no effect on the access panel opening counter.

Coin Vault Opening Test

Each time the coin vault is opened, the count on the display increases. The switch has to be closed for at least one second, then open at least 1/2 second for a valid count. This test will increment the Coin Vault opening counter and save the time/date for each opening of the test. All further test openings have no effect on the Coin Vault opening counter.

Coin Drop #1 Input Test

Each time a coin is entered, the count on the VFD display increases. The display will show “C1:xx”, where “xx” indicates the number of coins entered during the test. Refer to *Figure 210*.

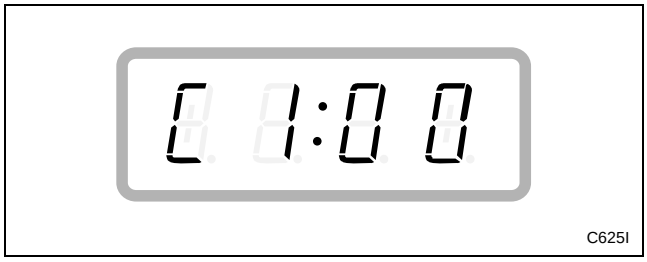


Figure 210

Coin Drop #2 Input Test

Each time a coin is entered, the count on the VFD display increases. The display will show “C2:xx”, where “xx” indicates the number of coins entered during the test. Refer to *Figure 211*.

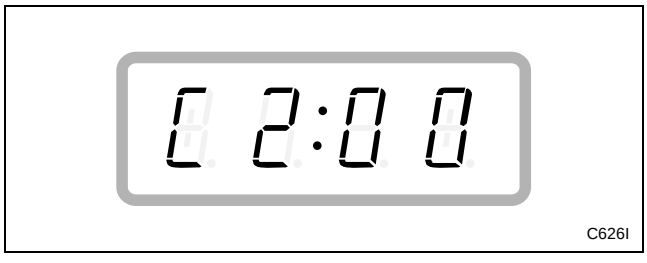


Figure 211

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Door Switch Input Test

If the loading door is open, the display will show "dr:OP", *Figure 212*, or if the loading door is closed the display will show "dr:CL". Refer to *Figure 213*.

Figure 212

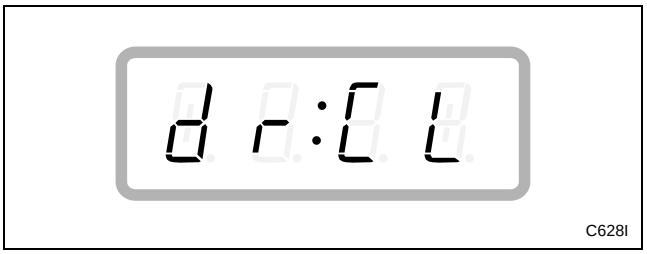

Figure 213

Door Lock Input Test

When the test is entered, the control will send a signal to lock the door. It will check to make sure the door is locked, and if it is, the display will show "dr:LO". Refer to *Figure 214*.

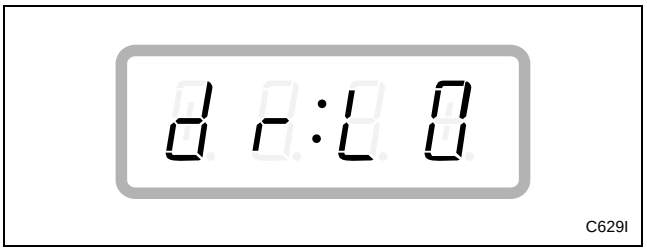

Figure 214

If the door is unlocked, it will show "dr:UL". Refer to *Figure 215*.

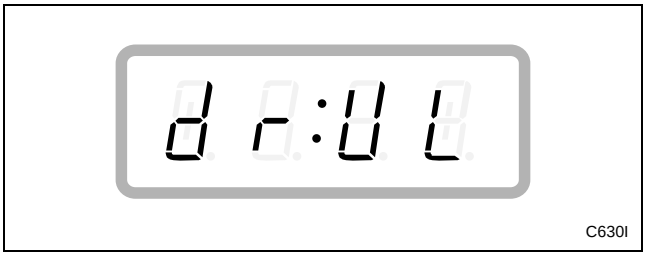

Figure 215

Five seconds after sending the door lock signal, the control will unlock it, check the door lock status and display the status as shown above. This procedure is repeated every time the START pad is pressed.

Show Fill Time Test

This test will display "Fx:xx", the average low level fill time in minutes and seconds. Refer to *Figure 216*. The average fill time is calculated by taking the average of the last four (4) fill times from the start of the fill until the low-level pressure switch activates.

Figure 216

Show Drain Time Test

This test will display "dx:xx", the average low level drain time in minutes and seconds. Refer to *Figure 217*. The average drain time is calculated by taking the average of the last four (4) drain times from med-level to low-level.

Figure 217

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Temperature Sensor Display Test

This test simply displays the temperature sensed at the sensor in 5 degree F increments. The temperature is displayed in either degrees Fahrenheit or Celsius as “Fxxx” for Fahrenheit or “Cxxx” for Celsius. If the control senses a shorted sensor it will display “SH”. Refer to *Figure 218*. If no temperature sensor is installed, control will display “OP”.

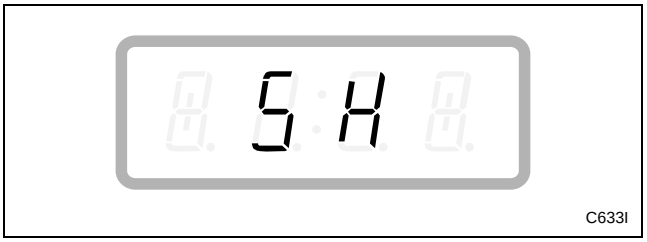

Figure 218

If it senses an open sensor, it will display “OP”. Refer to *Figure 219*.

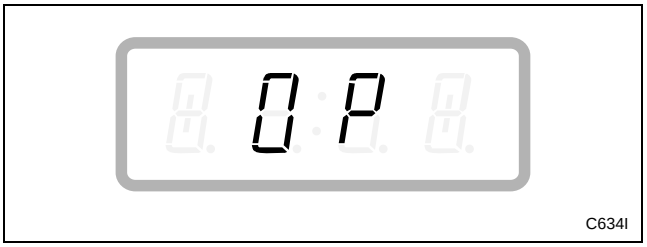

Figure 219

Start Pulse Test

This test verifies whether the control is capable of recognizing an electric pulse from a central card reader system. The central card reader system must provide an electric pulse. The display shows “St:xx”, where “xx” indicates the number of start pulses received. Refer to *Figure 220*.

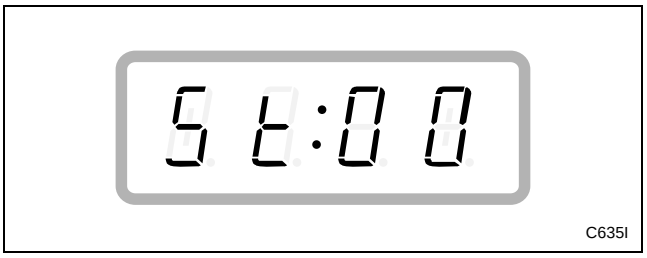

Figure 220

Heat On Test

When the START pad is pressed, the control will lock the door and check the door’s status to make sure it is locked. If the door is not locked, it will abort the test. If the door is locked, the control will fill the cylinder with cold water to the low water level. The control will then heat the water to 130°F while displaying the temperature in the programmed temperature scale. When the temperature reaches 130°F, the heater will turn off, the control will drain the water, the test will terminate and the control will return to Ready Mode.

NOTE: If the machine is not equipped with the heater option, the control will not enter this test.

Configuration #1 Display Test

Upon entry into this test, the control will display “Axxx” (refer to *Figure 221*) where “xxx” is a number corresponding to the Machine Configuration #1 byte which represents the machine type, whether coin drops are connected and whether or not the Lifetest jumper is cut. Refer to *Table 10*.

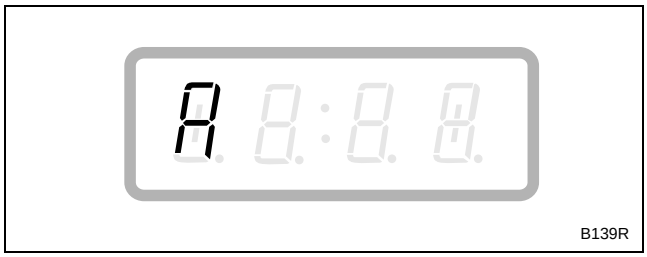

Figure 221

Config. Value	Coin Drop #2 Present	Coin Drop #1 Present
132	NO	NO
164	NO	YES
196	YES	NO
228	YES	YES

Table 10

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Configuration #2 Display Test

Upon entry into this test, the control will display "bxxx" (refer to *Figure 222*) where "xxx" is a number corresponding to the Machine Configuration #2 byte which represents the wiring harness configuration inputs, and whether or not there is a Temperature Sensor installed. Refer to *Table 11*.

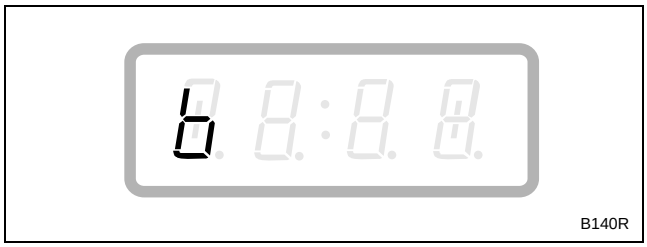

Figure 222

Config. Value	Temp. Sensor Present	Network Board Present	Card Reader Present	Motor Drive	Pump-Only	Temp-Control Fill	Domestic
0	NO	NO	NO	2SPD	NO	NO	YES
2	NO	NO	NO	2SPD	NO	NO	NO
4	NO	NO	NO	2SPD	NO	YES	YES
6	NO	NO	NO	2SPD	NO	YES	NO
8	NO	NO	NO	2SPD	YES	NO	YES
10	NO	NO	NO	2SPD	YES	NO	NO
12	NO	NO	NO	2SPD	YES	YES	YES
14	NO	NO	NO	2SPD	YES	YES	NO
16	NO	NO	NO	VFD	NO	NO	YES
18	NO	NO	NO	VFD	NO	NO	NO
20	NO	NO	NO	VFD	NO	YES	YES
22	NO	NO	NO	VFD	NO	YES	NO
24	NO	NO	NO	VFD	YES	NO	YES
26	NO	NO	NO	VFD	YES	NO	NO
28	NO	NO	NO	VFD	YES	YES	YES
30	NO	NO	NO	VFD	YES	YES	NO
32	NO	NO	YES	2SPD	NO	NO	YES
34	NO	NO	YES	2SPD	NO	NO	NO
36	NO	NO	YES	2SPD	NO	YES	YES
38	NO	NO	YES	2SPD	NO	YES	NO
40	NO	NO	YES	2SPD	YES	NO	YES
42	NO	NO	YES	2SPD	YES	NO	NO
44	NO	NO	YES	2SPD	YES	YES	YES
46	NO	NO	YES	2SPD	YES	YES	NO
48	NO	NO	YES	VFD	NO	NO	YES
50	NO	NO	YES	VFD	NO	NO	NO
52	NO	NO	YES	VFD	NO	YES	YES
54	NO	NO	YES	VFD	NO	YES	NO
56	NO	NO	YES	VFD	YES	NO	YES
58	NO	NO	YES	VFD	YES	NO	NO
60	NO	NO	YES	VFD	YES	YES	YES
62	NO	NO	YES	VFD	YES	YES	NO

Table 11

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Config. Value	Temp. Sensor Present	Network Board Present	Card Reader Present	Motor Drive	Pump-Only	Temp-Control Fill	Domestic
64	NO	YES	NO	2SPD	NO	NO	YES
66	NO	YES	NO	2SPD	NO	NO	NO
68	NO	YES	NO	2SPD	NO	YES	YES
70	NO	YES	NO	2SPD	NO	YES	NO
72	NO	YES	NO	2SPD	YES	NO	YES
74	NO	YES	NO	2SPD	YES	NO	NO
76	NO	YES	NO	2SPD	YES	YES	YES
78	NO	YES	NO	2SPD	YES	YES	NO
80	NO	YES	NO	VFD	NO	NO	YES
82	NO	YES	NO	VFD	NO	NO	NO
84	NO	YES	NO	VFD	NO	YES	YES
86	NO	YES	NO	VFD	NO	YES	NO
88	NO	YES	NO	VFD	YES	NO	YES
90	NO	YES	NO	VFD	YES	NO	NO
92	NO	YES	NO	VFD	YES	YES	YES
94	NO	YES	NO	VFD	YES	YES	NO
96	NO	YES	YES	2SPD	NO	NO	YES
98	NO	YES	YES	2SPD	NO	NO	NO
100	NO	YES	YES	2SPD	NO	YES	YES
102	NO	YES	YES	2SPD	NO	YES	NO
104	NO	YES	YES	2SPD	YES	NO	YES
106	NO	YES	YES	2SPD	YES	NO	NO
108	NO	YES	YES	2SPD	YES	YES	YES
110	NO	YES	YES	2SPD	YES	YES	NO
112	NO	YES	YES	VFD	NO	NO	YES
114	NO	YES	YES	VFD	NO	NO	NO
116	NO	YES	YES	VFD	NO	YES	YES
118	NO	YES	YES	VFD	NO	YES	NO
120	NO	YES	YES	VFD	YES	NO	YES
122	NO	YES	YES	VFD	YES	NO	NO
124	NO	YES	YES	VFD	YES	YES	YES
126	NO	YES	YES	VFD	YES	YES	NO
128	YES	NO	NO	2SPD	NO	NO	YES
130	YES	NO	NO	2SPD	NO	NO	NO
132	YES	NO	NO	2SPD	NO	YES	YES
134	YES	NO	NO	2SPD	NO	YES	NO
136	YES	NO	NO	2SPD	YES	NO	YES
138	YES	NO	NO	2SPD	YES	NO	NO
140	YES	NO	NO	2SPD	YES	YES	YES
142	YES	NO	NO	2SPD	YES	YES	NO

Table 11

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Config. Value	Temp. Sensor Present	Network Board Present	Card Reader Present	Motor Drive	Pump-Only	Temp-Control Fill	Domestic
144	YES	NO	NO	VFD	NO	NO	YES
146	YES	NO	NO	VFD	NO	NO	NO
148	YES	NO	NO	VFD	NO	YES	YES
150	YES	NO	NO	VFD	NO	YES	NO
152	YES	NO	NO	VFD	YES	NO	YES
154	YES	NO	NO	VFD	YES	NO	NO
156	YES	NO	NO	VFD	YES	YES	YES
158	YES	NO	NO	VFD	YES	YES	NO
160	YES	NO	YES	2SPD	NO	NO	YES
162	YES	NO	YES	2SPD	NO	NO	NO
164	YES	NO	YES	2SPD	NO	YES	YES
166	YES	NO	YES	2SPD	NO	YES	NO
168	YES	NO	YES	2SPD	YES	NO	YES
170	YES	NO	YES	2SPD	YES	NO	NO
172	YES	NO	YES	2SPD	YES	YES	YES
174	YES	NO	YES	2SPD	YES	YES	NO
176	YES	NO	YES	VFD	NO	NO	YES
178	YES	NO	YES	VFD	NO	NO	NO
180	YES	NO	YES	VFD	NO	YES	YES
182	YES	NO	YES	VFD	NO	YES	NO
184	YES	NO	YES	VFD	YES	NO	YES
186	YES	NO	YES	VFD	YES	NO	NO
188	YES	NO	YES	VFD	YES	YES	YES
190	YES	NO	YES	VFD	YES	YES	NO
192	YES	YES	NO	2SPD	NO	NO	YES
194	YES	YES	NO	2SPD	NO	NO	NO
196	YES	YES	NO	2SPD	NO	YES	YES
198	YES	YES	NO	2SPD	NO	YES	NO
200	YES	YES	NO	2SPD	YES	NO	YES
202	YES	YES	NO	2SPD	YES	NO	NO
204	YES	YES	NO	2SPD	YES	YES	YES
206	YES	YES	NO	2SPD	YES	YES	NO
208	YES	YES	NO	VFD	NO	NO	YES
210	YES	YES	NO	VFD	NO	NO	NO
212	YES	YES	NO	VFD	NO	YES	YES
214	YES	YES	NO	VFD	NO	YES	NO
216	YES	YES	NO	VFD	YES	NO	YES
218	YES	YES	NO	VFD	YES	NO	NO
220	YES	YES	NO	VFD	YES	YES	YES
222	YES	YES	NO	VFD	YES	YES	NO

Table 11

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Config. Value	Temp. Sensor Present	Network Board Present	Card Reader Present	Motor Drive	Pump-Only	Temp-Control Fill	Domestic
224	YES	YES	YES	2SPD	NO	NO	YES
226	YES	YES	YES	2SPD	NO	NO	NO
228	YES	YES	YES	2SPD	NO	YES	YES
230	YES	YES	YES	2SPD	NO	YES	NO
232	YES	YES	YES	2SPD	YES	NO	YES
234	YES	YES	YES	2SPD	YES	NO	NO
236	YES	YES	YES	2SPD	YES	YES	YES
238	YES	YES	YES	2SPD	YES	YES	NO
240	YES	YES	YES	VFD	NO	NO	YES
242	YES	YES	YES	VFD	NO	NO	NO
244	YES	YES	YES	VFD	NO	YES	YES
246	YES	YES	YES	VFD	NO	YES	NO
248	YES	YES	YES	VFD	YES	NO	YES
250	YES	YES	YES	VFD	YES	NO	NO
252	YES	YES	YES	VFD	YES	YES	YES
254	YES	YES	YES	VFD	YES	YES	NO

Table 11

Configuration #3 Display Test

Upon entry into this test, the control will display "Cxxx" where "xxx" is a number corresponding to the Machine Configuration #3 byte which is currently unused.

VFD Balance Input Test

This test will display "bA:OP" (refer to *Figure 223*) if the VFD balance switch is open (poor balance) or "bA:CL" (refer to *Figure 224*) if the VFD balance switch is closed (good balance).

Figure 223

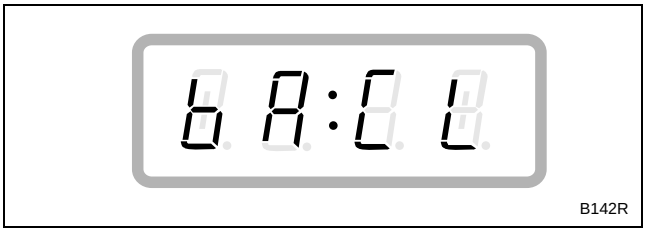

Figure 224

VFD Filter Input Test

This test will display "FL:OP" (refer to *Figure 225*) if the VFD filter switch is open (poor airflow) or "FL:CL" (refer to *Figure 226*) if the filter switch is closed (good airflow).

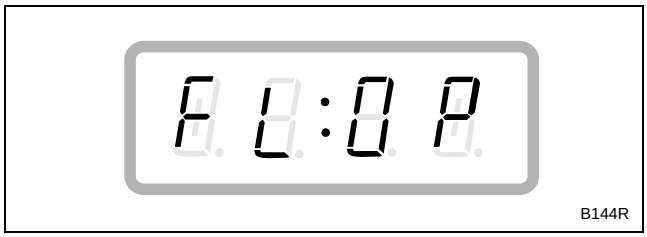

Figure 225

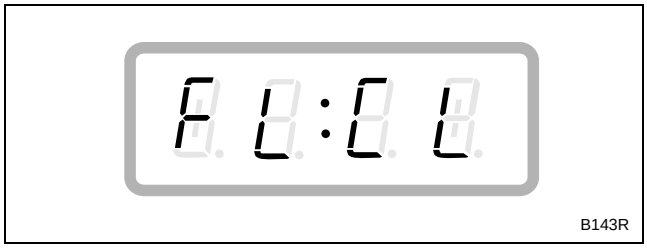

Figure 226

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VFD Balance Adjustment Test (VFD Models Only)

Upon entry, the display will show “BAL” and START pad LED will flash until pressed to begin test. Door will lock and motor will turn at Distribution Speed. The display will show “PASS” (refer to *Figure 227*) if the load is balanced and will show “FAIL” (refer to *Figure 228*) if the load is unbalanced.

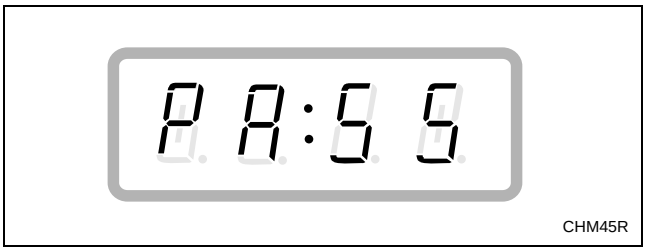

Figure 227

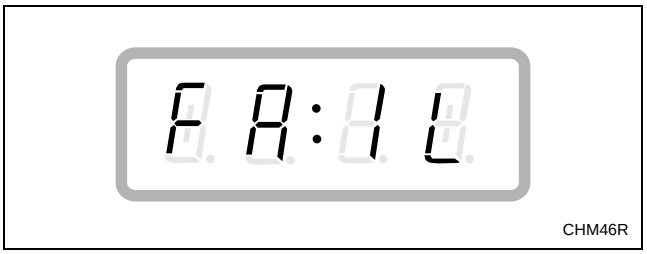

Figure 228

Water Purge Test

Upon entry, the display will show “PUrg” (refer to *Figure 229*) and the START pad LED will flash until pressed to begin test. Door will lock and display will change to “FLSH” (refer to *Figure 230*). The Hot water, Cold water and Auxiliary water valves and Supply Dispensers #1, #2, #3 and #4 will turn on. Test will end after two minutes.

Figure 229

Figure 230

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Notes

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Error Codes

Following is a list of possible error codes for an electronic control. Errors beginning with “EI” refer to NetMaster Infra-red communication errors. Errors beginning with “EC” refer to NetMaster card reader errors. All other errors refer to electronic control errors.

Display	Description	Cause/ Corrective Action
EI:01	Transmission Failure	Communication failure. Re-aim Micro-Wand and try again.
EI:02	Device Timeout	Communication failure. Re-aim Micro-Wand and try again.
EI:03	Invalid Command Code	Incorrect machine type. Before downloading, ensure data is for current machine type.
EI:04	Expecting Upload Request	Communication failure. Re-aim Micro-Wand and try again.
EI:05	Invalid or Out-of-Range Data	Incorrect machine type. Before downloading, ensure data is for current machine type.
EI:06	Invalid Data Code	Incorrect machine type. Before downloading, ensure data is for current machine type.
EI:07	Error Writing to RTC	Control failure. Replace control.
EI:08	Error Writing to EEPROM	Control failure. Replace control.
EI:09	CRC-16 Error	Communication failure. Re-aim Micro-Wand and try again.
EI:0A	Invalid Machine Type	Incorrect machine type. Before downloading, ensure data is for current machine type.
EI:0F	Invalid Wakeup or Infra-red Disabled	Communication failure or infra-red is disabled. Manually enable infra-red on control or re-aim Micro-Wand and try again.
EC:00	General Communication Error	Communication failure. Try card again.
EC:02	Timeout Error	Communication failure. Try card again.
EC:03	Invalid Command Code	Incorrect machine type. Before downloading, ensure data is for current machine type.
EC:05	Invalid or Out-of-Range Data	Incorrect machine type. Before downloading, ensure data is for current machine type.
EC:06	Invalid Data Code	Incorrect machine type. Before downloading, ensure data is for current machine type.
EC:09	Corrupted Data Error	Communication error. Try card again.
EC:0A	Invalid Machine Type	Incorrect machine type. Before downloading, ensure data is for current machine type.
EC:19	No Card Reader Communication	Communication failure. Power down, power up and try again. If error persists, replace control or card reader.

Table 12

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Display	Description	Cause/ Corrective Action
EC:20	Unreadable Card	Faulty card or dirty contact. Clean chip on card or card reader contacts. Try card again. If error persists, card may be faulty.
EC:21	Security ID Mismatch	Incorrect card. Use card with correct security code.
EC:22	Site Code Mismatch	Incorrect card. Use card with correct site code.
EC:23	Card Maximum Value Exceeded	Value on card over max. Use a card which does not exceed maximum value.
EC:24	Insufficient Memory on Card	Card memory is full. Download card contents to PC and clear card for re-use.
EC:25	Card Reader Malfunction	Faulty card reader. Replace card reader.
EC:26	Card Write Error	Try card again. If error persists, card may be faulty.
EC:27	Diagnostic Test Card Write Failure	Faulty card reader. Replace card reader.
EC:28	Diagnostic Test Card Read Failure	Faulty card reader. Replace card reader.
EC:29	Diagnostic Test Memory Test Failure	Faulty card reader. Replace card reader.
EC:2A	Diagnostic Test Card Interface Failure	Faulty card reader. Replace card reader.
EC:2b	Diagnostic Test Flash Checksum Failure	Faulty card reader. Replace card reader.
EC:2C	Biberon or Non-biberon Device Failure	Faulty card reader. Replace card reader.
EC:2d	Firmware Update Failed, S/W (Software) Intact	Firmware load failed. Replace card reader.
EC:2E	Firmware Update Failed, S/W Not Intact	Faulty firmware in reader. Replace card reader.
EC:2F	Firmware Updated, S/W Not Intact	Faulty firmware in reader. Replace card reader.
EC:30	Timeout Error	Replace card reader.
EC:31	Hotlisted Card Inserted Into Reader	Card hotlisted. Control will destroy card.
EC:50	Loyalty Purse Read Error	Try card again. If error persists, card may be faulty.
EC:56	Loyalty Purse Write Error	Try card again. If error persists, card may be faulty.
Right most DP (decimal point) Lit	Network Communication Error	Communication problem. Wait for 1.5 minutes for error to clear. If error doesn't clear, power-down and power-up the machine. If error persists, replace control or network board.
Alrm	Break-in Alarm Error	Service the door or coin vault switches.
OFF	Break-in Alarm Shutdown Error	Service the door or coin vault switches.
E:FL	Fill Error	Pressure switch fails to open in 30 minutes in any fill agitate cycle.
E:dr:	Drain Error	Maximum drain time exceeded or water sensed at end of spin step.

Table 12

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Display	Description	Cause/ Corrective Action
E:SP	SPI Communications Error	Master control cannot communicate with motor control. Master control will try to reset the motor control by powering it down. The error will display after three reset attempt failures. Caused by transformer unplugged or wiring to motor control incorrect.
E:OP	Open Temperature Sensor Error	Open temperature sensor circuit wiring. Replace sensor.
E:SH	Shorted Temperature Sensor Error	Short in temperature sensor circuit wiring. Replace sensor.
E:dL	Door Lock Error	Door does not lock within 15 seconds of closing or 3 minutes after cycle completion. Open and reclose door.
E:dO	Door Opened During A Running Cycle	Control detects door open and door locked inputs high. Caused by pulling on door while locked or about to lock. Correct inoperative door locking system.
E:Ub	Unbalance Error	Unable to balance load. Redistribute load and run cycle.
E:Ht	Heater Error	Takes more than two hours to reach programmed heat temperature. Replace faulty heater circuit components.
E:Pr	Pressure Switch Sequence Error	Pressure switches out of sequence. Replace pressure switch.
Err	Coin Error	Invalid coin pulse or inoperative coin sensor. Check coin drop area and remove obstructions. If error persists, tampering may have occurred. Evaluate security procedures.

Table 12

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Sales Floor Feature

The Sales Floor feature is used on a sales floor to allow the owner to turn on the entire VFD display and all LEDs.

How to Enter Sales Floor Feature

1. Control must be in Manual Mode to start. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "SHOW" appears.
3. Press the START (enter) keypad.

The display will light up.

How to Exit Sales Floor Feature

1. Be sure access panel is open.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand.

The display will return to the Ready Mode. Refer to *Figure 2*.

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Rapid Advance Feature

The Rapid Advance feature allows the owner to quickly advance through active cycles or advance into a cycle from the Ready Mode.

How to Enter Rapid Advance from Ready Mode

1. If control is in Ready Mode, control must be put into Manual Mode. Refer to ***Entering the Manual Mode***.
2. Press the DELICATES (+) or the COLD (-) keypad until "rAPd" appears in the display.
3. Press the START (enter) keypad. The VFD will display cycle time and the START (enter) keypad LED will flash.
4. Press the START (enter) keypad to start cycle.

How to Enter Rapid Advance During an Active Cycle

1. Be certain access panel is open.
2. While pressing and holding the NORMAL keypad with one hand, press the HOT keypad with the other hand. There will be no change on the VFD display.

Control may be in an active cycle or in the Ready Mode to use the Rapid Advance feature.

While in the Rapid Advance Mode, pressing the START (enter) keypad will advance the washer-extractor to the next cycle step. The cycle indicator lights will tell which cycle step the washer-extractor is in.

For Example: If the washer-extractor is in the first fill cycle step, pressing the START (enter) keypad will advance the washer-extractor into the first drain cycle.

Continue pressing the START (enter) keypad until the cycle is completed.

How to Exit Rapid Advance Feature

1. Advance through the cycles until reaching the shakeout cycle step with one minute cycle time remaining.

NOTE: The Rapid Advance option must be turned on for Rapid Advance to work. Refer to *option 83* in *Programming NetMaster* in the Enhanced Programming Guide, available at extra cost.

NOTE: When Rapid Advance is used to end a cycle, the cycle may be advanced to, but not beyond, the shakeout step which must then execute normally and provides a one minute delay before the door will be unlocked.

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Clear Vend Feature

The Clear Vend feature allows the owner to clear a control which is in the middle of satisfying a vend price, and set it back to the Ready Mode.

How to Clear Vend

1. Open the access panel. Refer to ***Opening the Access Panel***.
2. While pressing and holding the HOT keypad with one hand, press the PERM PRESS keypad with the other hand. The control will reset to the Ready Mode. Refer to *Figure 2*.

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Communications Mode

Infra-red Communications

The Infra-red Communications feature allows the washer-extractor control to communicate with the Micro-Wand IIIE. The washer-extractor control can be programmed and have its data read without using the keypad. It may also be used to start and stop various diagnostic tests.

How to Begin Communications with Micro-Wand IIIE

The control will go blank and the VFD will display "-C-" until the communication is complete. The display will return to the previous mode. If an error occurs that terminates communication, the VFD will display "EC:XX" ("XX" represents the error code).

NOTE: The Infra-red Communications option must be turned on. Refer to *option 81* in *Programming NetMaster.*

Card Reader Communications

The Card Reader Communications feature allows the washer-extractor control to communicate with the Card Reader. The washer-extractor control can be programmed and have its data read without using the keypad.

Network Communications

The Network Communications feature allows the washer-extractor control to communicate with the Network. The washer-extractor control can be programmed and have its data read without using the keypad.

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Power Fail Recovery

The Power Fail Recovery feature allows the cycle status to be saved in memory in the event of a power failure.

If the power failure lasted less than one minute and 30 seconds, the cycle will resume without requiring the user to press the START (enter) keypad to restart.

If the control was in a fill cycle step and the pre-programmed pressure switch is not satisfied, the control will start the Fill/Tumble step from the beginning. If the control was in an extract step, the remainder of the step will be lost and the control will resume in the next cycle step. However, if the control was in an extract step prior to the final extract or in the Final Extract step, the control will resume the cycle from the beginning of the Previous Drain/Tumble step.

If the power failure lasted longer than one minute and 30 seconds, the Power Fail Reset option is turned ON, and the duration of the power failure is less than or equal to the time programmed in the Power Fail Reset option, or the Power Fail Reset option is turned off, the START (enter) keypad will flash until it is pressed and the cycle will restart from the point it left off. Extract steps are the same as previous paragraph.

If the power failure lasted longer than one minute and 30 seconds, lasted longer than the time programmed in the Power Fail Reset option, and the Power Fail Reset option is turned ON, the control will return to the Ready Mode. The door will remain locked for one minute.

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Default Washer-Extractor Settings

Default Settings

Cycle	PERM PRESS
Wash Water Temperature	WARM
Rinse Water Temperature	COLD
Special Vends	OFF/All items zero
Signals:	
Keypress	ON
End of Cycle	OFF
Coin Input/Card Insertion	ON
Remove Card	ON
Coin #1 Value	.25
Coin #2 Value	1.00
Power Fail Reset	OFF/5 minutes
Vend Prices	1.50
Control Configuration:	
Daylight Savings	ON
Wash Temp Indicator	SELECT
Infra-red Access	ON
Decimal Point	ON
Manual Programming Access	ON
Auto Collect	ON
Control Configuration #2	
Add Bleach LED	ON
Fahrenheit/Celsius Select	CELSIUS
Hot On/Off	ON
Warm On/Off	OFF
Cold On/Off	OFF
Add Bleach Cycle Step	WASH
Control Configuration #3	
Available Output	ON*
Manual Rapid Advance/ Diagnostic Access	ENABLED
Cool Down	ENABLED
Smart Card Maximum Value	99.00
Site Code #1	Ø

*In Ready Mode

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